

2(P) mix

NASA TMX-69894

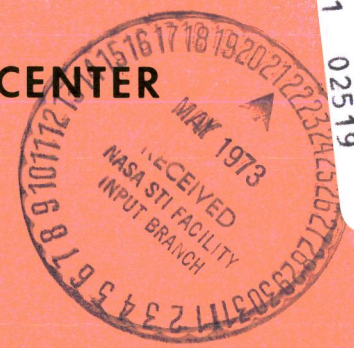
THE NIMBUS 4 DATA CATALOG

VOLUME 7

1 MARCH THROUGH 30 APRIL 1971
DATA ORBITS 4387-5205

GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND

(NASA-TMX-69894) THE NIMBUS 4 DATA
CATALOG. VOLUME 7: DATA ORBITS
4387-5205, 1 MARCH - 30 APRIL 1971
(NASA) 238 p HC \$14.00 CSCL 22C
G3/31 02519 unclas
N73-22810



THE NIMBUS 4 DATA CATALOG

Volume 7

1 March through 30 April 1971
Data Orbits 4387-5205



Prepared by

Allied Research Associates, Inc.
Baltimore, Maryland

For the

Nimbus Project

May 1972

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

FOREWORD

This is the seventh volume of a series of catalogs published by the National Aeronautics and Space Administration to document data acquired from the Nimbus 4 Meteorological Satellite. This volume covers the period 1 March through 30 April 1971.

Background information concerning the Nimbus 4 Meteorological Satellite System and a description of the experiments and data formats have been published separately in the Nimbus IV User's Guide, with post-launch User's Guide information changes and corrections included in the data catalogs. The Nimbus 4 catalogs present the type of data available, anomalies in the data, if any, and geographic location and time of the data.

The assembly and editing of this catalog was accomplished by the Geophysics and Aerospace Division of Allied Research Associates, Inc. (ARA), Baltimore, Maryland under contract number NAS 5-21617 with the Goddard Space Flight Center, NASA, Greenbelt, Maryland.

Wilfred E. Scull
Project Manager
ERTS/Nimbus Project
Goddard Space Flight Center

Preceding page blank

TABLE OF CONTENTS

FOREWORD	iii
LIST OF FIGURES	vi
LIST OF TABLES	vii
SECTION 1. SUMMARY OF OPERATIONS	1-1
1.1 Introduction	1-1
1.2 The Image Dissector Camera System (IDCS) Experiment	1-3
1.3 The Temperature-Humidity Infrared Radiometer (THIR) Experiment	1-3
1.4 The Infrared Interferometer Spectrometer (IRIS) Experiment	1-6
1.5 The Satellite Infrared Spectrometer (SIRS) Experiment	1-6
1.6 The Monitor of Ultraviolet Solar Energy (MUSE) Experiment	1-9
1.7 The Backscatter Ultraviolet Spectrometer (BUV) Experiment	1-9
1.8 The Filter Wedge Spectrometer (FWS) Experiment	1-9
1.9 The Selective Chopper Radiometer (SCR) Experiment	1-9
1.10 The Interrogation, Recording and Location System (IRLS) Experiment	1-11
1.11 The Real Time Transmission System (RTTS) Experiment	1-11
SECTION 2. ORBITAL ELEMENTS AND DAILY SENSORS "ON" TABLE	2-1
SECTION 3. IMAGE DISSECTOR CAMERA SYSTEM MONTAGES	3-1
SECTION 4. TEMPERATURE-HUMIDITY INFRARED RADIOMETER MONTAGES	4-1
4.1 THIR (11.5 and 6.7 micrometer channels) nighttime montages	4-3
4.2 THIR (11.5 micrometer channel) daytime montages	4-83

LIST OF FIGURES

Figure	Page
1-1 Nimbus 4 IDCS of Alaska Recorded on 29 March 1971 on HDRSS B	1-4
1-2 Nimbus 4 IDCS of the Ob and Yenisey Rivers Area of Siberia Recorded on 8 April 1971 on HDRSS B	1-5
1-3 MUSE Ultraviolet Sensor Outputs at Day-Terminator	1-10
1-4 Nimbus 4 DRIR and THIR Comparison for 25 March 1971	1-12
2-1 World Map	2-3

LIST OF TABLES

Table		Page
1-1	HDRSS A THIR Data with No Z Axis Correction Filter	1-7
1-2	Summary of HDRSS A THIR Status from Launch through Archival Termination	1-8
2-1	Nimbus 4 Brouwer Mean Orbital Elements for March and April 1971	2-4
2-2	Daily Sensors "On" Table	2-5
4-1	Latitude Versus Minutes from Ascending or Descending Node	4-2

SECTION 1

SUMMARY OF OPERATIONS

1.1 Introduction

Nimbus 4 was successfully launched from the Western Test Range at Vandenberg AFB, California, into a near circular orbit (587 x 593 n. mi.) at 08hr 17min 57sec Universal Time on 8 April 1970.

This seventh volume of the Nimbus 4 data catalogs reflects complete data documentation for the period 1 March through 30 April 1971, orbits 4387 through 5205. The sensory data output and total operating time from launch (8 April 1970) through orbit 5205 on 30 April 1971 were as follows:

IDCS	44,865 Pictures (through orbit 4906 on 8 April 1971)
THIR (11.5 μ m)	6,349 Hours (through orbit 4907 on 8 April 1971)
THIR (6.7 μ m)	3,483 Hours (through orbit 4906 on 8 April 1971)
SIRS	7,306 Hours (through orbit 4905 on 8 April 1971)
FWS	1,316 Hours (total to failure, orbit 815)
SCR	7,858 Hours
MUSE	7,819 Hours
IRIS	7,079 Hours
BUV	7,462 Hours
IRLS	22,373 Frames

The Filter Wedge Spectrometer (FWS) experiment failed during orbit 815, 8 June 1970 and no further data have been received from the experiment.

During orbit 4905 on 8 April 1971, the Rate Measuring Package (RMP) gyro, which maintains yaw control of the spacecraft, failed. The failure caused large yaw deviations, occasionally as much as 180°. On orbit 4979 (14 April) the satellite stabilized itself at 180° yaw position, and maintained this backward orientation for the remainder of April. During this backward orientation position, an alternate method of yaw control utilizing

the sun sensors was implemented. Yaw deviations from the 180° position were kept at approximately $\pm 6^\circ$ during the daytime when the sun sensors were operative. Deviations were much larger, of the order of 30° , in darkness and immediately after umbra exit (satellite passage from darkness into sunlight).

The Temperature-Humidity Infrared Radiometer (THIR) performed well to orbit 4973 (13 April) when the scan motor stopped. The motor was restarted several times for brief periods. There have been no successful restarts since orbit 5145 (26 April). Archival of THIR data was terminated with orbit 4907 on 8 April 1971, two orbits after the yaw gyro failed.

The IDCS continued to function at the end of April. The archival of IDCS was terminated at orbit 4906 (8 April) because there is no usable output of IDCS when the satellite is flying backwards.

The SIRS continued to function after the yaw gyro failure. SIRS data archival by the National Weather Service (NWS) was ended at orbit 4905, because the increased uncertainty in location would seriously hamper the utilization of the data by researchers.

The 0.5 degree pitch bias, introduced during orbit 3781 (14 January 1971), was removed during orbit 4547 (12 March). The pitch bias produces a location error in the archival data of about five nautical miles at the subsatellite point. Gridding of the pictorial data (IDCS and THIR) is generally accurate to within \pm one degree of great circle arc (± 60 n. miles) at the subsatellite point until yaw gyro failure.

Data from the High Data Rate Storage Subsystem (HDRSS) B have been good although there has been a decrease in the signal-to-noise ratio. From 8 February (orbit 4105) to 19 March (orbit 4631) only a small portion of the HDRSS A tape, equivalent to 15 minutes of data, was used to record data because of the extreme noise present along the rest of the tape. However, further testing indicated that the tape had cleaned itself sufficiently to record data of acceptable quality. Thus, commencing with orbit 4770 (29 March) HDRSS A was once again put in a full record mode, alternating with HDRSS B. Unfortunately, the HDRSS A recorder failed to play back during orbit 5031 (17 April) and has not operated since.

Satellite power, command/clock, VIP, and thermal subsystems were normal during this catalog period.

The following subsections 1.2 through 1.11 summarize the operational highlights of the individual experiments and call attention to known data anomalies in this catalog period.

The user is referred to the Nimbus IV User's Guide for a complete description of the experiments.

1.2 The Image Dissector Camera System (IDCS) Experiment

The IDCS continued to function at the end of April, but the archival of IDCS data was terminated at orbit 4906 (8 April) because the large yaw deviations, caused by the failure of the yaw gyro, introduced appreciable distortion and location errors in the imagery.

IDCS picture quality from HDRSS B was excellent up to archival termination, as Figures 1-1 and 1-2 illustrate. HDRSS A video playbacks, with 100 Hz flutter interference, continued to have a reduced image quality when compared with HDRSS B video. The Sensor "ON" Table in Section 2 lists the IDCS data orbits produced from the HDRSS A playbacks.

The resolution of the IDCS (2 to 3 n. miles near the subsatellite point) and the system transfer function which tends to favor tonal rendition near the white end of the gray scale are well suited for the IDCS intended purpose of cloud mapping as well as for ice study.

1.3 The Temperature-Humidity Infrared Radiometer (THIR) Experiment

The THIR performed well to orbit 4973 (13 April) when the scan motor again stopped. See Volume 6 for previous start-stop sequences. Attempts to restart had occasional success, but there have been no successful restarts since orbit 5145 (26 April). Lubrication failure in one or more of the bearings and/or gear meshes is the probable cause of subsystem failure.

Archival of THIR data was terminated with orbit 4907 on 8 April, two orbits after the yaw gyro failed because the large yaw errors made the data essentially unusable.

THIR data recorded on HDRSS B continued to be good up to the end of THIR archival operations. Severe flutter on the HDRSS A recorder continued to affect that THIR data to the end of archival operations. It is suggested that, whenever possible, HDRSS B THIR be used for research purposes.

Users can order NMRT maps from any HDRSS B data and from all HDRSS A data through orbit 449 (11 May 1970) and expect maps with Root Mean Square (RMS) temperature values of less than $\pm 2^{\circ}\text{K}$. HDRSS A RMS values increased from 2°K at orbit 450 to about $\pm 6^{\circ}\text{K}$ by orbit 2000 (4 September 1970). Consequently, NMRT's for this period decrease in temperature reliability. All HDRSS A data after orbit 2000 (except "Z axis" corrected data) have RMS values of $\pm 6^{\circ}\text{K}$ and, therefore, should only be used with extreme care. Some HDRSS A, after orbit 3393 (16 December 1970), were processed with a Z axis correction filter (see Section 1-3 of Volume 5). This filter appears to reduce the RMS of the temperature values to slightly less than $\pm 3^{\circ}\text{K}$. When in-progress NMRT program modifications are completed, these Z axis corrected data should provide usable maps with only a few more data drop-outs than on HDRSS B THIR NMRT maps.



NIMBUS 4 IMAGE DISSECTOR CAMERA SYSTEM (IDCS) PICTURE 29 MARCH 1971

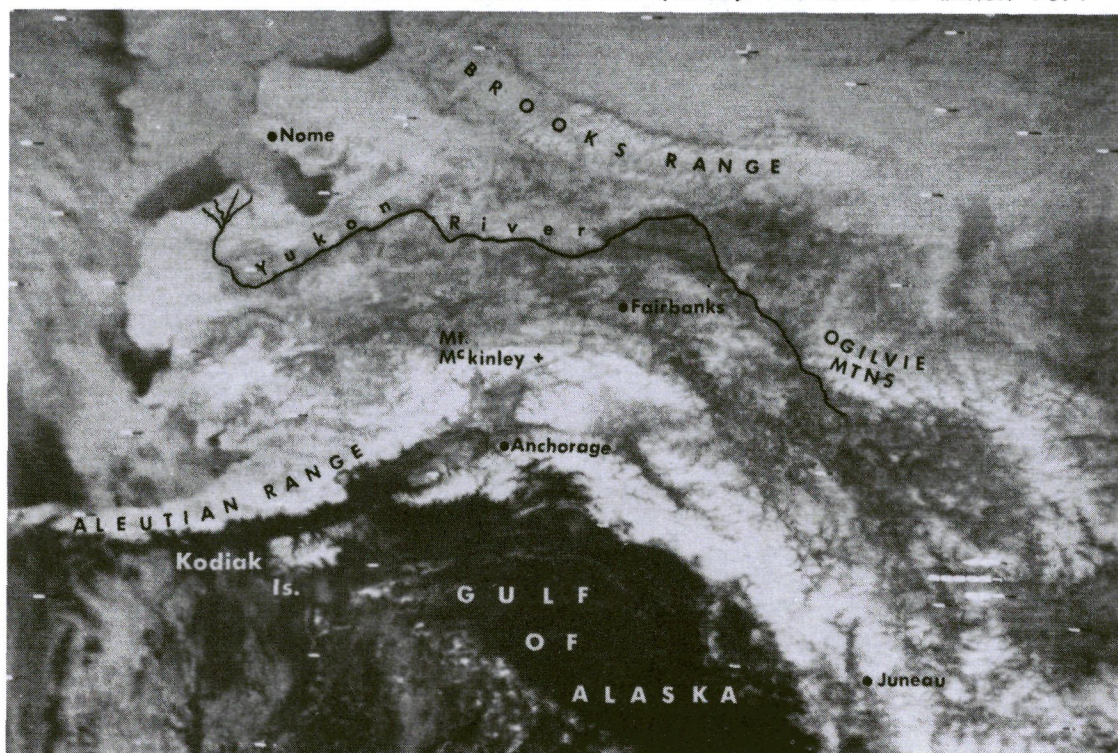
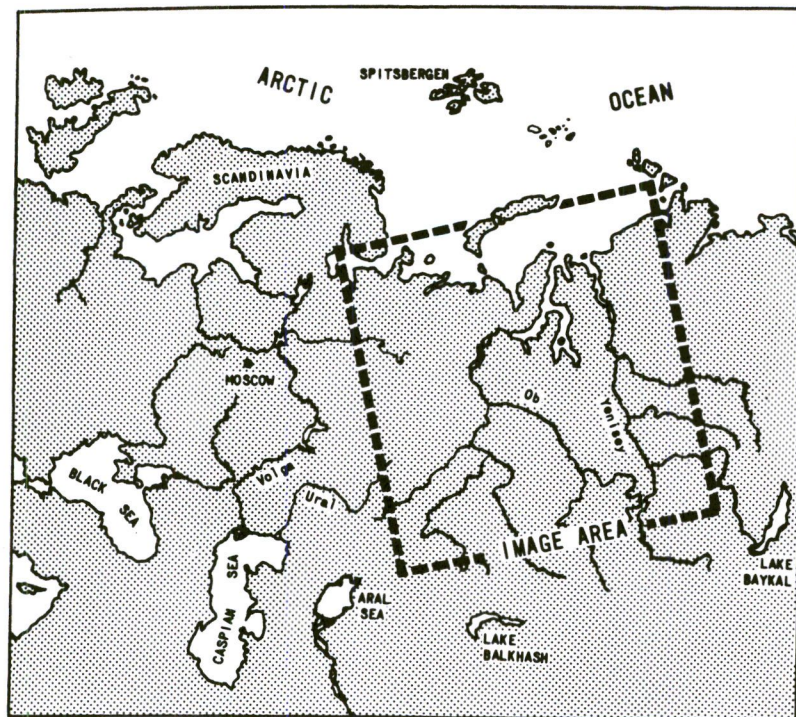


Figure 1-1 Nimbus 4 IDCS of Alaska recorded on 29 March 1971 on HDRSS B. In this picture Alaska is cloud-free. Snow still blankets much of the land and the Bering Straits area (northwest of Nome) is ice filled. Where trees are present, the snow on the ground is obscured, and these areas appear dark in the picture.

Reproduced from
best available copy.





A FIRST ANNIVERSARY PICTURE - 8 APRIL 1971

SNOW AND ICE BLANKET MUCH OF SIBERIA AND THE ARCTIC OCEAN IN THIS NIMBUS 4 IDCS PICTURE TAKEN ONE YEAR AFTER LAUNCH. THE ICE COVERED OB RIVER IS PROMINENT IN THE PICTURE CENTER.

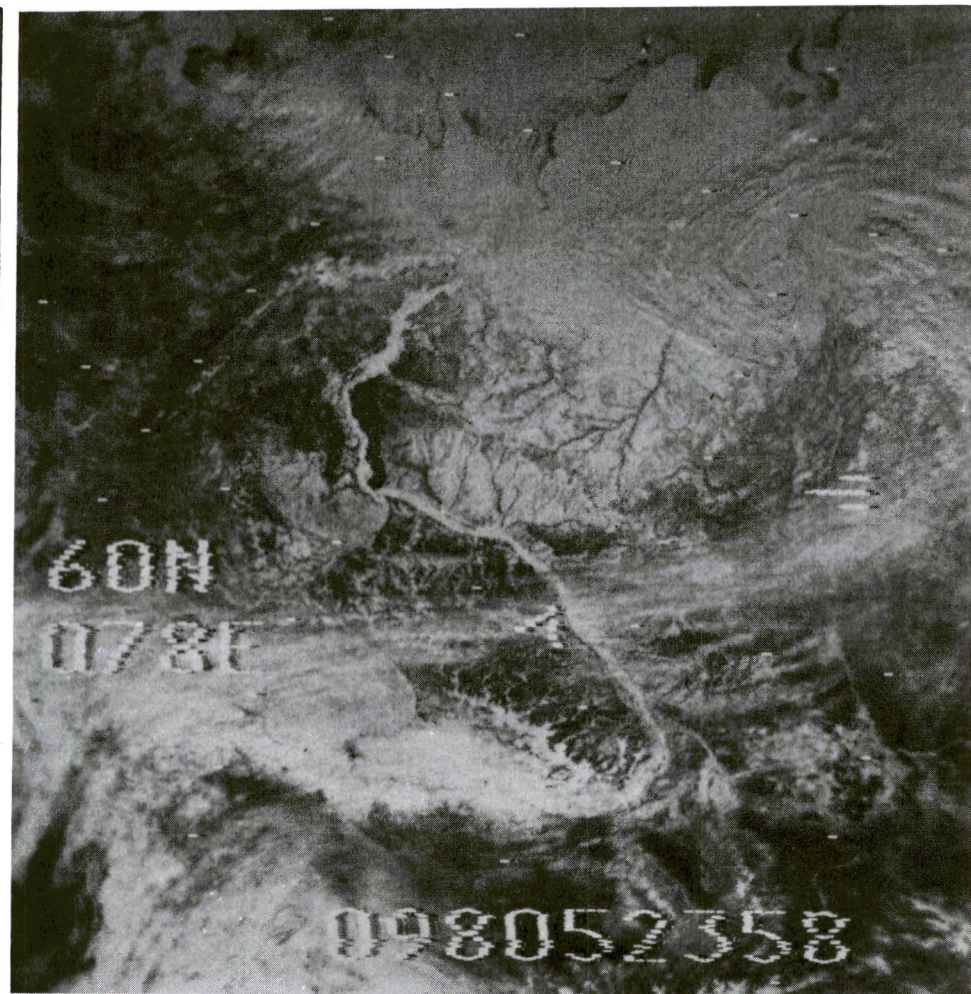


IMAGE DISSECTOR CAMERA SYSTEM (IDCS) PICTURE

Figure 1-2 Nimbus 4 IDCS of the Ob and Yenisey Rivers Area of Siberia
Recorded on 8 April 1971 on HDRSS B.

Table 1-1 lists all HDRSS A for this catalog period not processed with a Z axis filter. Table 1-1 of Volumes 5 and 6 lists previous orbits, after 3394, not processed with the Z axis filter.

Table 1-2 is a summary of the HDRSS A THIR status from launch through archival termination.

1.4 The Infrared Interferometer Spectrometer (IRIS) Experiment

The performance of IRIS during this catalog period was satisfactory. To conserve satellite power after the yaw gyro failed, IRIS was turned off from 10 April (orbit 4935) to the end of this catalog period.

Through 10 March 1971 the instrument was turned off for 20 minutes on alternate orbits during RTTS activation over the Antarctic. RTTS activation upsets the thermal equilibrium of IRIS making the IRIS data acquired immediately after IRIS turn-on unusable. IRIS was also off from orbit 4709 through 4738 while RTTS was on almost continuously.

The responsivity and noise equivalent radiance (NER) has not changed since launch.

A recent report by Hanel et al.¹, discusses calibrations and corrections employed to produce high quality spectra for geophysical and meteorological investigations. The data are being used currently in a number of investigations which include a study of radiative transfer processes in the atmosphere, examination of vertical sounding techniques, studies of the statistical properties of the spectra, and the study of global fields of ozone.

1.5 The Satellite Infrared Spectrometer (SIRS) Experiment*

The SIRS-B instrument continued to perform in the manner reported in the preceding catalog. Channels 1, 6, 9, and 12 functioned abnormally and should not be used. Channel 10 noise exceeded 1.0 erg/ (cm² sec strdn cm⁻¹) during the period covered by this catalog. Channel 14 also exhibited some abnormal sensitivity near orbit 4640.

After the failure of the yaw gyro the locations of the SIRS-viewed areas became more uncertain. Although the data continued to be used operationally by the National Weather Service, it is felt that the increased uncertainty in data location may seriously hamper the utilization of the data by researchers. Accordingly, the archival of the SIRS-B data ended at orbit 4905 (8 April).

¹Hanel, R. A., et al, The Nimbus 4 Infrared Spectroscopy Experiment, IRIS-D, Part I. Calibrated Thermal Emission Spectra, NASA Report X-622-71-272 (preprint), July 1971, Goddard Space Flight Center, Greenbelt, Maryland 20771

*Contributed by J. Lienesch of NESS/NOAA

Table 1-1

HDRSS A THIR Data With No Z Axis Correction Filter

Nighttime Orbits 11.5 μ m and 6.7 μ m Channels		Daytime Orbits 11.5 μ m Channel	
DATE	ORBIT	DATE	ORBIT
1 Mar	4398	1 Mar	4390, 4399
2 Mar	4403*	2 Mar	4404
3 Mar	4416*, 4423	4 Mar	4430, 4431
4 Mar	4429, 4436	6 Mar	4457
5 Mar	4443*, 4449	7 Mar	4471
6 Mar	4456*, 4463	9 Mar	4498
7 Mar	4470*	11 Mar	4524
8 Mar	4483*, 4484*	12 Mar	4536, 4538
9 Mar	4497	25 Mar	4710, 4711
10 Mar	4510*	26 Mar	4724, 4727
11 Mar	4523*, 4529	27 Mar	4737
12 Mar	4542	28 Mar	4754
13 Mar	4556, 4557	29 Mar	4764, 4776
14 Mar	4569, 4570	30 Mar	4781
15 Mar	4583	31 Mar	4790, 4803
16 Mar	4596	2 Apr	4817
19 Mar	4633**, 4637	3 Apr	4830
23 Mar	4683	4 Apr	4844
25 Mar	4710, 4715, 4717, 4718*, 4719*	5 Apr	4857
26 Mar	4723, 4724, 4726	6 Apr	4871, 4879, 4881
27 Mar	4736, 4737	7 Apr	4884, 4888, 4892, 4894 4897
28 Mar	4751, 4752		
29 Mar	4763, 4764, 4775		
30 Mar	4780		
31 Mar	4790, 4802		
1 Apr	4816		
2 Apr	4817, 4829		
3 Apr	4830, 4843		
4 Apr	4844, 4856		
5 Apr	4857**, 4859*, 4870		
6 Apr	4871, 4883		
7 Apr	4884, 4887, 4889, 4891 4893, 4896, 4897		

* Z Axis Correction was only applied to the 11.5 μ m data.** Z Axis Correction was only applied to the 6.7 μ m data.

Table 1-2

Summary of HDRSS A THIR Status
from Launch through Archival Termination

Orbital Period Orbital Period	HDRSS A Status	RMS of THIR Temperature Values	Data Utilization Status
000-449 8 Apr-11 May 1970	nominal	$\pm 2^{\circ}\text{K}$	Normal
450-2000 11 May- 4 Sep 1970	increasing flutter	$\pm 2^{\circ}\text{K}$ at orbit 450 to $\pm 6^{\circ}\text{K}$ by orbit 2000 (see Fig. 1-1 of volume 3)	Can be used if filtered to attenuate noise
2001-3393 4 Sep-16 Dec 1970	severe flutter	$\pm 6^{\circ}\text{K}$	Data are uncorrected by any filter program. Use extreme care in interpret- ing any formats of these data.
3394-4907 17 Dec 1970- 8 Apr 1971	severe flutter	$\pm 6^{\circ}\text{K}$ in uncorrected HDRSS A*	Data are uncorrected by any filter program. Use extreme care in interpret- ing any formats of these data.
		$\pm 2.6^{\circ}\text{K}$ in "Z axis" corrected data	These data should provide usable NMRT's when in- progress NMRT program modifications are completed. However, expect a few more drop-outs than normal on NMRT's.

* All HDRSS A data after orbit 3394 not Z axis corrected are listed in Tables 1-1 of Volumes 5, 6 and 7.

1.6 The Monitor of Ultraviolet Solar Energy (MUSE) Experiment

MUSE continued to perform satisfactorily during this period in both the manual and automatic modes. The functional telemetry monitors indicated stable electrometer operation. At the end of this period the solar aspect monitor (ATA) read 2.03 TMV at the day-terminator, representing a 19.3 percent degradation since launch.

The ultraviolet sensors continue to follow the trends shown in previous catalogs. Figure 1-3 illustrates the individual sensor performances from January through May 1971.

1.7 The Backscatter Ultraviolet Spectrometer (BUV) Experiment

The BUV experiment continued to perform well during this period. From orbit 4880 (6 April) through orbit 5162 (27 April) BUV operations were curtailed to conserve satellite power and to investigate several shutter anomalies observed during orbit 4827 (2 April). Normal operations were resumed after orbit 5162.

Electronics and sequencer data from the MCS-A cycle indicate satisfactory performance. The photometric capability of the MCS-B and C remains excellent, but these calibrations continue to be affected by free-space radiation in the area of the South Atlantic anomaly. Evaluation of MCS-D indicates that the mercury strong line for orbit 4869 (5 April) was 2535.5\AA which is well within subsystem requirements.

1.8 The Filter Wedge Spectrometer (FWS) Experiment

The FWS chopper motor failed during orbit 815, June 8, 1970 precluding further reception of data. Continued attempts to restart the FWS motor have been unsuccessful. The committee investigating the failure of the chopper motor concluded that: "The most probable cause of failure of the FWS is felt to be due to debris in one or more of the bearings on the slow speed shafts of the reducer or filter wheel."

Before orbit 815, satisfactory data were received from the short wavelength channel, but icing of the bolometer prevented obtaining any usable data from the long wavelength channel. The committee investigating the degradation of sensory data reported that the probable cause of icing was the condensation of outgassed water vapor on the detector. Also suspected were lubricant from the gear train and adhesive used to hold the super-insulation.

1.9 The Selective Chopper Radiometer (SCR) Experiment

Channels 1 through 4 operated satisfactorily during this period. Channels 5 and 6 were unusable from orbit 4618 (18 March) through end of catalog period because of the apparent failure of a power supply. However, these channels returned to normal operations after orbit 5266 (5 May) and their data were again used.

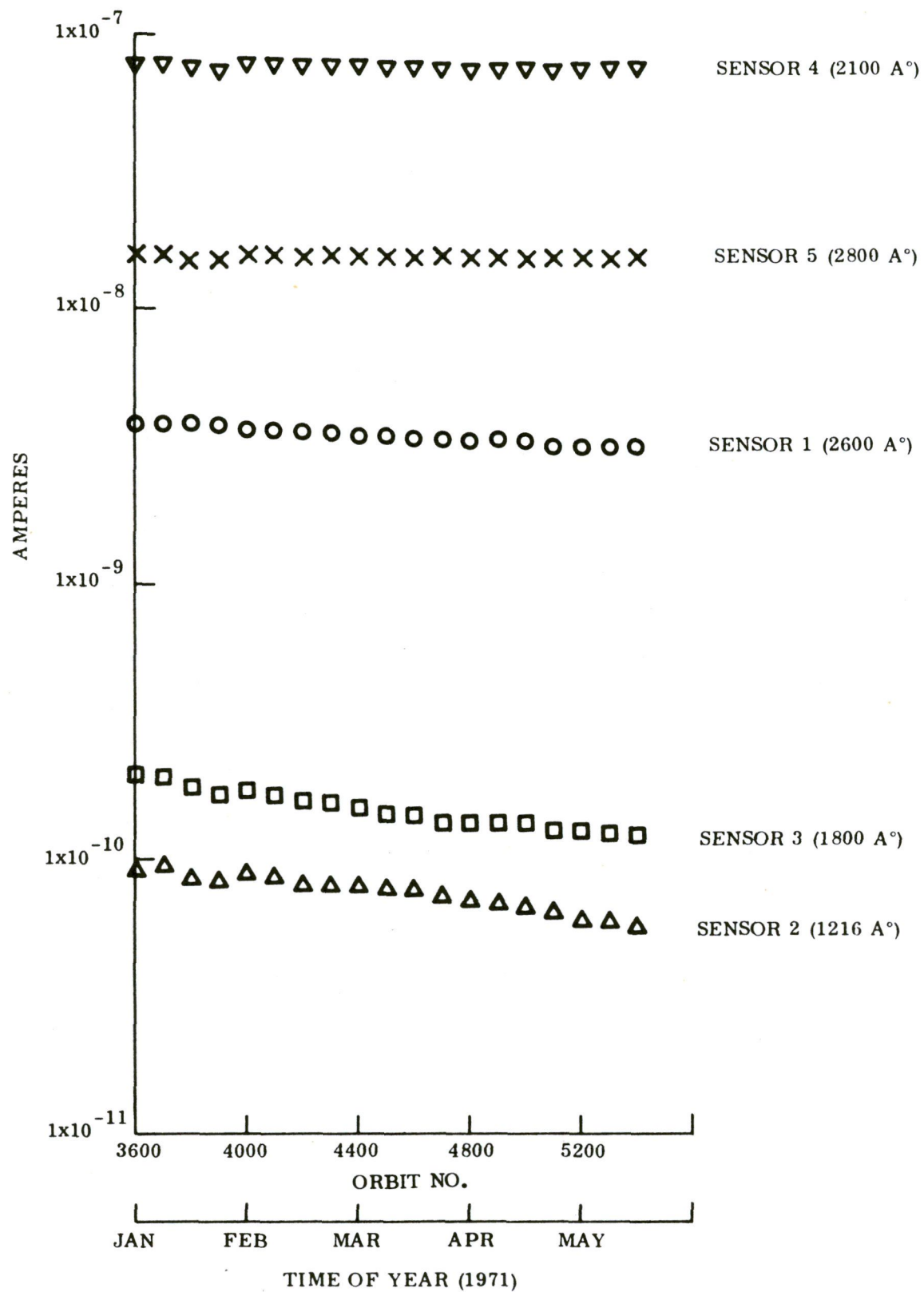


Figure 1-3 MUSE Ultraviolet Sensor Outputs at Day-Terminator

Operational SCR data transmissions from GSFC to Oxford, England continue.*

1.10 The Interrogation, Recording and Location System (IRLS) Experiment

The IRLS subsystem performed well during this reporting period. Location accuracy has been within two nautical miles on fixed platforms. From orbit 4750 (28 March) through 5080 (21 April), IRLS was successfully cycled on and off to conserve satellite power.

Three fixed platforms: a Navy Oceanographic Office buoy in the Pacific Ocean, another at Bermuda, and a platform at Goddard were interrogated during this period. A free floating Navy buoy was also interrogated and tracked.

IRLS interrogation and testing of a new platform on an aircraft to be flown around the world by Sheila Scott, a British aviatrix, was initiated on 15 April 1971. It is expected that IRLS interrogations will help identify the actual flight path over remote areas and will supply physiological data on pilot response time to a set of tests conducted during long flight legs of the trip.

Complete IRLS balloon experiment information was presented in Section 1.10 and Section 5 of Volume 4.

1.11 The Real Time Transmission System (RTTS) Experiment

The Nimbus 4 RTTS is not routinely transmitted because it interferes with IRIS and SCR. However, DRID (RTTS-IDCS data) was on for 20 minutes on alternate orbits each day (through 10 March) over Antarctica to provide ice information for Antarctic resupply missions. The Navy reports that the data received was excellent.

DRIR (RTTS-11.5 μ m THIR) was on full time during orbits 4709 to 4719, 4723 to 4732, and 4736 to 4738 (24 thru 27 March). Figure 1-4 compares a direct reception of this DRIR with the same recorded THIR data.

* The results of "The First Year of the Selective Chopper Radiometer on Nimbus 4" were published in the Quarterly Journal of the Royal Meteorological Society, January 1972.

Reproduced from
best available copy.



1-12

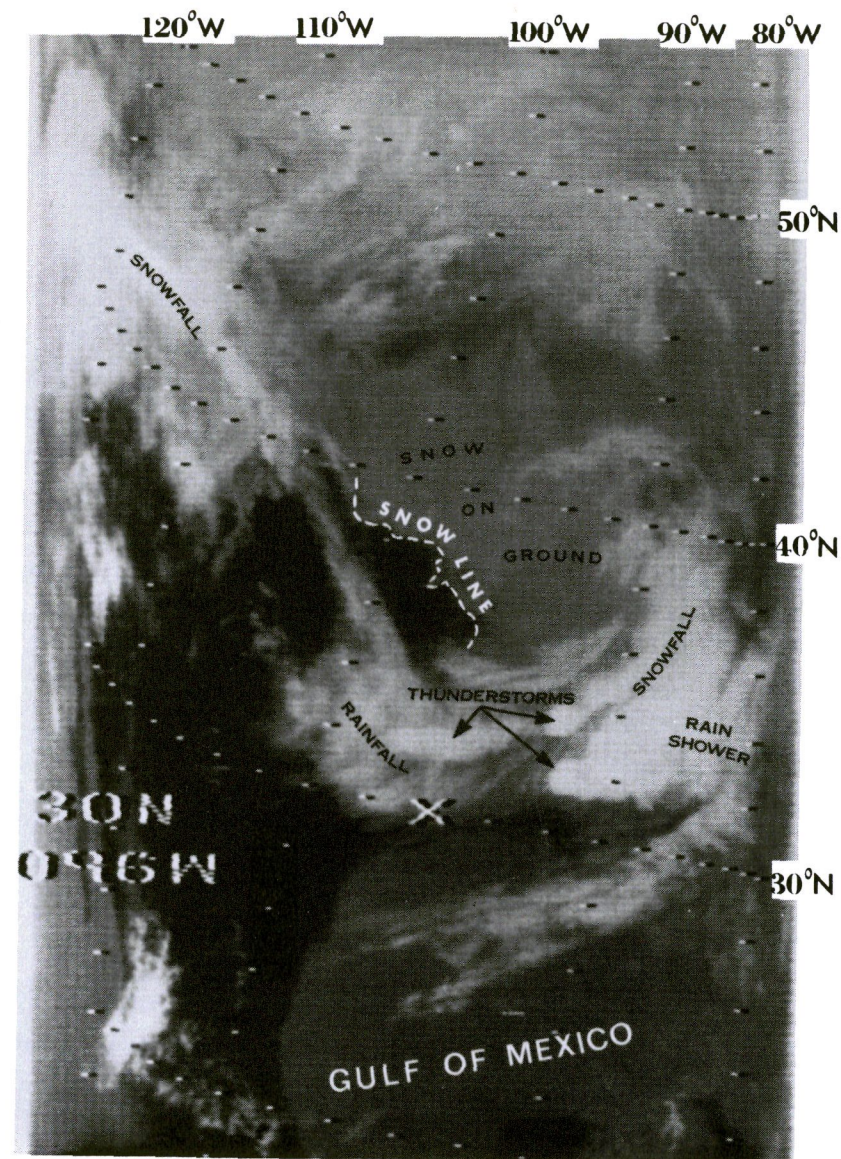


Figure 1-4 Nimbus 4 DRIR and THIR Comparison for 25 March 1971. The DRIR can be used immediately for local analysis at each direct readout ground station, while the same data (as THIR) is stored on tape in the satellite and transmitted to a central acquisition facility for general analysis and data archiving. Relative temperatures of the earth surface and cloud tops are presented in the pictorial data. Dark tones are warm; lighter tones are colder. Numerical temperature values can be obtained through computer processing of the original signal.

SECTION 2

ORBITAL ELEMENTS AND DAILY SENSORS "ON" TABLES

The Nimbus 4 Brouwer Mean orbital elements for March and April 1971 are listed in Table 2-1.

The Daily Sensors "ON" Table (Table 2-2) lists the times through 8 April during which the IRIS, IDCS and THIR subsystems were turned on and off. The other subsystems (BUV, MUSE, SCR, and SIRS) were on for the time spans embraced by the THIR 11.5 μ m channel for any orbit listed and, therefore, are not individually listed through 8 April.

After 8 April a new sensors on-off time format is presented since the THIR 11.5 μ m channel data is no longer listed. On-off times for each sensor are listed by interrogation orbit*. Ascending/descending node time and longitude information for each data orbit are presented in tabular form adjacent to the interrogation orbit listing. By using both tables, and the overlays described below, a user can determine when and where each sensor was on.

Table 2-2 includes both the Universal Time (UT) and longitude of orbital equator crossings for the ascending nodes for daytime (D) data and descending nodes for nighttime (N) data. The type recorder HDRSS (A or B) used to record the data is also listed. If both are used on the same orbit (through 8 April) the one with the longer record time is listed first. The HDRSS with the shortest record time represents less than 25 minutes of data. The change from one HDRSS to the other is normally indicated by the short gap of "no data" in the montage displays in Sections 3 and 4.

Between 9 and 16 April, if there is a change from one HDRSS to the other within a data orbit, it is identified by the interrogation orbit on-off time. All data after orbit 5031 (17 April) are from HDRSS B.

Table 2-2 together with the World Map (Figure 2-1) and the vellum Subsatellite Tracks Overlay attached to the back of this catalog can be used to determine approximate geographic sensor coverages.

A Subsatellite Tracks Overlay is correctly oriented with the World Map when the ascending or descending node line on the overlay lays over the equator line of the World Map. Orbital sensor coverage is determined by placing an orbit track

* An interrogation orbit merely identifies the orbit on which data, previously recorded by the satellite sensors, are relayed to a ground station. More than one data orbit's worth of information may be relayed during one interrogation.

on the World Map at the appropriate ascending node (for daytime) or descending node (for nighttime) longitude for the orbits of interest.

The Subsatellite Tracks Overlay contains 14 correctly spaced tracks which end at the approximate earth day/night transition. The tracks contain time ticks spaced 5 minutes apart, appropriately annotated at the edge of the overlay, referenced from the equator. Minutes from equator crossings for all or part of a particular orbit are calculated by adding or subtracting from the ascending or descending node time listed for that orbit in the Daily Sensors "ON" Table.

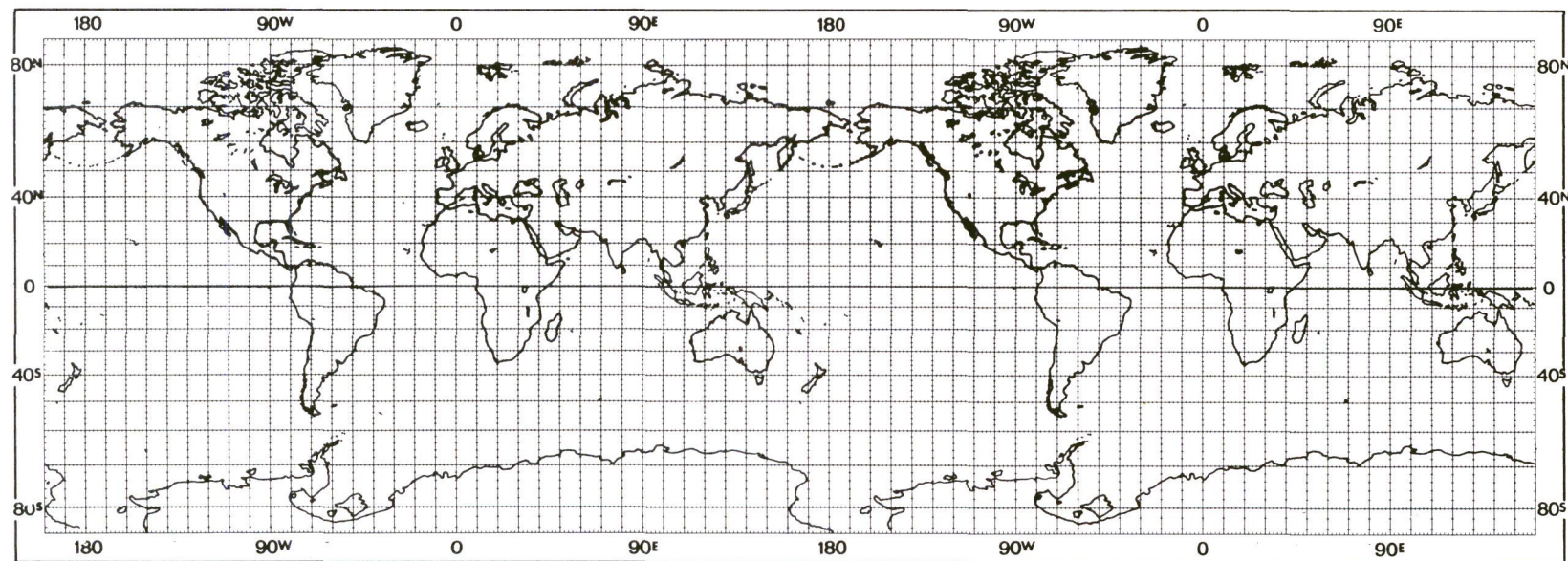


Figure 2-1 World Map

Table 2-1

NIMBUS 4 BROUWER MEAN ORBITAL ELEMENTS FOR
MARCH AND APRIL 1971

EPOCH	Universal Time	08 Mar 1971 00 00 00	22 Mar 1971 00 00 00	07 Apr 1971 00 00 00	23 Apr 1971 00 00 00
Validity Period	Universal Time	FR 01 Mar 71 00 00 00 TO 15 Mar 71 23 50 00	FR 16 Mar 71 00 00 00 TO 31 Mar 71 23 50 00	FR 01 Apr 71 00 00 00 TO 15 Apr 71 23 50 00	FR 16 Apr 71 00 00 00 TO 30 Apr 71 23 50 00
Semi-Major Axis	Km	7471.6244	7471.6208	7471.6165	7471.6162
Eccentricity		.0006989	.0007201	.0007731	.0008072
Inclination	Degrees	99.8855	99.8846	99.8835	99.8816
Argument of Perigee	Degrees	246.7345	209.7500	169.9081	132.0060
Right Ascension of Ascending Node	Degrees	341.4754	355.2020	10.8869	26.5708
Mean Anomaly	Degrees	61.27916	98.25034	86.70718	73.24948
Height of Perigee	Km	1088.24	1088.07	1087.68	1087.42
Height of Apogee	Km	1098.68	1098.84	1099.23	1099.48
Anomalistic Period	Minutes	107.1223	107.1223	107.1222	107.1222

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 1 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4387 D	00	15	29	E 172.60	B	23 48	00 37			23 48	00 37	23 50	00 32
4387 N	01	09	05	W020.80	B	00 37	01 30	00 37	01 31				
4388 D	02	02	44	E 145.79	B							01 34	01 48
4388 N	02	56	20	W047.61									
4389 D	03	49	58	E 118.99									
4389 N	04	43	34	W074.42	A	04 15	04 29	04 14	04 27	04 14	04 26		
4390 D	05	37	12	E 092.18	A	05 38	05 52			05 37	05 47	05 40	05 50
4390 N	06	30	48	W101.22	B	06 22	06 57	06 21	06 53	06 21	06 57		
4391 D	07	24	26	E 065.37	B	06 57	07 46			06 57	07 46	06 56	07 41
4391 N	08	18	02	W128.03	B	07 46	07 53	07 46	07 54	07 46	07 54		
4391 N	08	18	02	W128.03	B	08 00	08 44	08 00	08 40	08 00	08 44		
4392 D	09	11	40	E 038.56	B	08 44	09 33			08 44	09 33	08 43	09 28
4392 N	10	05	16	W154.84	B	09 33	09 38	09 33	09 42	09 33	09 41		
4392 N	10	05	16	W154.84	B	09 49	10 31	09 48	10 25	09 48	10 31		
4393 D	10	58	54	E 011.75	B	10 31	11 20			10 31	11 20	10 30	11 15
4393 N	11	52	30	E 178.35	B	11 20	11 28	11 20	11 27	11 20	11 26		
4393 N	11	52	30	E 178.35	B	11 32	12 19	11 33	12 14	11 32	12 19		
4394 D	12	46	08	W015.06	B	12 19	13 07			12 19	13 07	12 17	13 02
4394 N	13	39	44	E 151.54	B	13 07	13 13	13 07	13 12	13 07	13 12		
4394 N	13	39	44	E 151.54	B	13 19	14 06	13 19	14 01	13 19	14 06		
4395 D	14	33	22	W041.87	B	14 06	14 54			14 06	14 54	14 04	14 50
4395 N	15	26	58	E 124.73	B	14 54	14 58						
4395 N	15	26	58	E 124.73	A	15 12	15 26	15 12	15 26	15 13	15 24		
4396 D	16	20	36	W068.68									
4396 N	17	14	12	E 097.92	A	16 59	17 13	16 59	17 08	16 59	17 09		
4397 D	18	07	50	W095.49	B	18 25	18 29						
4397 N	19	01	26	E 071.11	B	18 29	19 28	18 29	19 23	18 29	19 28		
4398 D	19	55	04	W122.30	B	19 28	20 14			19 28	20 13	19 33	20 11
4398 N	20	48	40	E 044.31	B	20 20	21 15	20 20	21 10	20 20	21 15		
4399 D	21	42	18	W149.10	B	21 15	21 57			21 15	21 56	21 14	21 55
4399 N	22	35	54	E 017.50									
4400 D	23	29	32	W175.91									
4400 N	00	23	08	W009.31									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 2 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4401 D	01	16	46	E 157.28	B	00 49	01 38			00 49	01 38	00 52	01 33
4401 N	02	10	22	W036.12	B	01 38	02 32	01 38	02 32	01 38	02 37		
4402 D	03	04	00	E 130.47	B					02 37	02 50	02 35	02 49
4402 N	03	57	36	W062.93									
4403 D	04	51	14	E 103.66									
4403 N	05	44	50	W089.74	A	05 14	05 28	05 13	05 27	05 13	05 27		
4404 D	06	38	28	E 076.85	A	06 38	06 52			06 38	06 52	06 41	06 51
4404 N	07	32	04	W116.55	B	07 18	07 58	07 18	07 54	07 18	07 58		
4405 D	08	25	42	E 050.04	B	07 58	08 47			07 58	08 47	07 57	08 42
4405 N	09	19	18	W143.36	B	08 47	08 54	08 47	08 54	08 47	08 55		
4405 N	09	19	18	W143.36	B	09 01	09 46	09 01	09 42	09 01	09 46		
4406 D	10	12	57	E 023.23	B	09 46	10 34			09 46	10 34	09 44	10 29
4406 N	11	06	32	W170.17	B	10 34	10 44	10 34	10 43	10 34	10 43		
4406 N	11	06	32	W170.17	B	10 49	11 33	10 49	11 28	10 49	11 33		
4407 D	12	00	11	W003.58	B	11 33	12 21			11 33	12 21	11 31	12 16
4407 N	12	53	46	E 163.03	B	12 21	12 28	12 21	12 27	12 21	12 27		
4407 N	12	53	46	E 163.03	B	12 33	13 20	12 33	13 16	12 33	13 20		
4408 D	13	47	25	W030.39	B	13 20	14 09			13 20	14 09	13 19	14 04
4408 N	14	41	00	E 136.22	B	14 09	14 16	14 09	14 15	14 09	14 16		
4408 N	14	41	00	E136.22	A	14 36	14 41	14 26	14 39				
4409 D	15	34	39	W057.19									
4409 N	16	28	14	E 109.41	A	16 14	16 28	16 13	16 25	16 13	16 27		
4410 D	17	21	53	W084.00	A/B	16 55	17 40						
4410 N	18	15	28	E 082.60	B	17 40	18 42	17 43	18 37	17 43	18 42		
4411 D	19	09	07	W110.81	B	18 42	19 26			18 42	19 25	18 40	19 26
4411 N	20	02	42	E 055.79	B	19 31	20 29	19 31	20 25	19 31	20 29		
4412 D	20	56	21	W137.62	B	20 29	21 12			20 29	21 12	20 28	21 13
4412 N	21	49	56	E 028.98	B	21 18	22 16	21 18	22 11	21 18	22 16		
4413 D	22	43	35	W164.43	B	22 16	23 00			22 16	22 59	22 15	23 00
4413 N	23	37	11	E 002.17									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 3 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			DEG	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4414 D	00	30	49	E 168.76	B	00 21	00 52			00 05	00 52	00 06	00 47
4414 N	01	24	25	W024.64	B	00 52	01 51	00 52	01 46	00 52	01 51		
4415 D	02	18	03	E 141.95	B	01 51	02 07			01 51	02 06	01 49	02 07
4415 N	03	11	39	W051.45									
4416 D	04	05	17	E 115.14	A	04 21	04 27						
4416 N	04	58	53	W078.25	A	04 27	04 44	04 29	04 43	04 29	04 42		
4417 D	05	52	31	E 088.34									
4417 N	06	46	07	W105.06	A	06 14	06 28	06 14	06 28	06 14	06 28		
4417 N	06	46	07	W105.06	B	06 32	07 13	06 31	07 08	06 31	07 13		
4418 D	07	39	45	E 061.53	B	07 13	08 01			07 13	08 01	07 11	07 56
4418 N	08	33	21	W131.87	B	08 01	08 10	08 01	08 11	08 01	08 11		
4418 N	08	33	21	W131.87	B	08 17	09 00	08 17	08 55	08 17	09 00		
4419 D	09	26	59	E 034.72	B	09 00	09 48			09 00	09 48	08 58	09 43
4419 N	10	20	35	W158.68	B	09 48	09 58	09 48	09 56	09 48	09 57		
4419 N	10	20	35	W158.68	B	10 03	10 47	10 03	10 42	10 03	10 47		
4420 D	11	14	13	E 007.91	B	10 47	11 36			10 47	11 36	10 46	11 31
4420 N	12	07	49	E 174.51	B	11 36	11 40			11 36	11 41		
4420 N	12	07	49	E 174.51	B			11 48	12 30	11 47	12 34		
4421 D	13	01	27	W018.90	B	13 02	13 23			12 34	13 23	12 33	13 18
4421 N	13	55	03	E 147.70	B	13 23	13 28						
4421 N	13	55	03	E 147.70	A	13 41	13 54	13 40	13 53	13 40	13 54		
4422 D	14	48	41	W045.71									
4422 N	15	42	17	E 120.89	A	15 28	15 40	15 27	15 41	15 27	15 40		
4423 D	16	35	55	W 072.52									
4423 N	17	29	31	E 094.08	A	17 14	17 28	17 14	17 26	17 14	17 28		
4424 D	18	23	09	W099.33									
4424 N	19	16	45	E 067.27	B	18 52	19 43	18 45	19 38	18 45	19 43		
4425 D	20	10	23	W126.14	B	19 43	20 25			19 43	20 24	19 42	20 24
4425 N	21	03	59	E 040.47	B	20 32	21 30	20 32	21 25	20 32	21 30		
4426 D	21	57	37	W152.95	B	21 30	22 08			21 30	22 12	21 29	22 11
4426 N	22	51	13	E 013.66									
4427 D	23	44	51	W179.75	B	23 18	00 06			23 18	00 06	23 19	00 01
4427 N	00	38	27	W013.15	B	00 06	01 00	00 06	01 00	00 06	01 05		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 4 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4428 D	01	32	05	E 153.44	B					01 05	01 19	01 04	01 18
4428 N	02	25	41	W039.96									
4429 D	03	19	20	E 126.63									
4429 N	04	12	55	W066.77	A	03 46	04 01	03 46	03 59	03 46	03 59		
4430 D	05	06	34	E 099.82	A	05 08	05 21			05 07	05 21	05 09	05 20
4430 N	06	00	09	W053.58									
4431 D	06	53	48	E 073.01	A	06 50	07 09			06 55	07 08	06 56	07 07
4431 N	07	47	23	W120.39	B	07 30	08 14	07 33	08 08	07 33	08 14		
4432 D	08	41	02	E 046.20	B	08 14	09 02			08 14	09 02	08 13	08 58
4432 N	09	34	37	W147.20	B	09 02	09 10			09 02	09 10		
4432 N	09	34	37	W147.20	B	09 16	10 01	09 16	09 57	09 16	10 01		
4433 D	10	28	16	E 019.39	B	10 01	10 50			10 01	10 50	10 00	10 45
4433 N	11	21	51	W174.01	B	10 50	10 56	10 50	10 58	10 50	10 58		
4433 N	11	21	51	W174.01	B	11 00	11 48	11 04	11 43	11 03	11 48		
4434 D	12	15	30	W007.42	B	11 48	12 37			11 48	12 37	11 47	12 32
4434 N	13	09	05	E 159.19	B	12 37	12 40	12 37	12 43	12 37	12 43		
4434 N	13	09	05	E 159.19	B	12 50	13 36	12 50	13 31	12 50	13 36		
4435 D	14	02	44	W034.23	B	13 36	14 21			13 36	14 24	13 34	14 19
4435 N	14	56	19	E 132.38	A	14 41	14 55	14 41	14 54	14 42	14 55		
4436 D	15	49	58	W061.03									
4436 N	16	43	33	E 105.57	A	16 29	16 40	16 29	16 42	16 29	16 43		
4437 D	17	37	12	W087.84									
4437 N	18	30	47	E 078.76	B	17 59	18 57	17 59	18 51	17 59	18 57		
4438 D	19	24	26	W114.65	B	18 57	19 39			18 57	19 40	18 56	19 38
4438 N	20	18	02	E 051.95	B	19 46	20 45	19 46	20 38	19 46	20 45		
4439 D	21	11	40	W141.46	B	20 45	21 27			20 45	21 26	20 43	21 25
4439 N	22	05	16	E 025.14	B	21 33	22 32	21 33	22 27	21 33	22 32		
4440 D	22	58	54	W168.27	B	22 32	23 13			22 32	23 13	22 30	23 12
4440 N	23	52	30	W001.67									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 5 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HORSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4441 D	00	46	08	E 164.92	B	00 19	01 08			00 19	01 08	00 21	01 03
4441 N	01	39	44	W028.48	B	01 08	01 46	01 08	02 02	01 08	02 06		
4442 D	02	33	22	E 138.11	B					02 06	02 20	02 05	02 19
4442 N	03	26	58	W055.29									
4443 D	04	20	36	E 111.30									
4443 N	05	14	12	W082.09	A	04 44	04 57	04 43	04 57	04 43	04 57		
4444 D	06	07	50	E 084.50									
4444 N	07	01	26	W108.90	A	06 30	06 44	06 29	06 42	06 29	06 42		
4444 N	07	01	26	W108.90	B	06 50	07 28	06 49	07 23	06 49	07 28		
4445 D	07	55	04	E 057.69	B	07 28	08 17			07 28	08 17	07 27	08 12
4445 N	08	48	40	W135.71	B	08 17	08 27	08 17	08 26	08 17	08 26		
4445 N	08	48	40	W135.71	B	08 32	09 15	08 32	09 10	08 32	09 15		
4446 D	09	42	18	E 030.88	B	09 15	10 04			09 15	10 04	09 14	09 59
4446 N	10	35	54	W162.52	B	10 04	10 08	10 04	10 13	10 04	10 13		
4446 N	10	35	54	W162.52	B	10 19	11 03	10 19	10 57	10 19	11 03		
4447 D	11	29	32	E 004.07	B	11 03	11 51			11 03	11 51	11 01	11 46
4447 N	12	23	08	E 170.67	B	11 51	11 58	11 51	11 57	11 51	11 57		
4447 N	12	23	08	E 170.67	B	12 03	12 50	12 03	12 45	12 03	12 50		
4448 D	13	16	46	W022.74	B	12 50	13 38			12 50	13 38	12 48	13 33
4448 N	14	10	22	E 143.86	B	13 38	13 44			13 38	13 43		
4448 N	14	10	22	E 143.86	A	13 55	14 09	13 55	14 02	13 55	14 08		
4449 D	15	04	00	W049.55									
4449 N	15	57	36	E 117.05	A	15 44	15 57	15 43	15 55	15 43	15 57		
4450 D	16	51	14	W076.36									
4450 N	17	44	50	E 090.24	B	17 14	18 12	17 14	18 05	17 14	18 12		
4451 D	18	38	28	W103.17	B	18 12	18 54			18 12	18 54	18 10	18 52
4451 N	19	32	04	E 063.43	B	19 00	19 59	19 00	19 54	19 00	19 59		
4452 D	20	25	42	W129.98	B	19 59	20 42			19 59	20 42	19 57	20 43
4452 N	21	19	18	E 036.62	B			20 48	21 40	20 48	21 46		
4453 D	22	12	57	W156.79	B	22 22	22 30			21 46	22 30	21 45	22 30
4453 N	23	06	32	E 009.82									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 6 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDSRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4454 D	00	00	11	E 176.41	B	23 50	00 22			23 33	00 22	23 35	00 17
4454 N	00	53	46	W016.99	B	00 22	01 20	00 22	01 16	00 22	01 20		
4455 D	01	47	25	E 149.60	B	01 20	01 35			01 20	01 34	01 19	01 33
4455 N	02	41	00	W043.80									
4456 D	03	34	39	E 122.79									
4456 N	04	28	14	W070.61	A	04 00	04 14	04 00	04 13	04 00	04 13		
4457 D	05	21	53	E 095.98	A	05 22	05 36			05 22	05 36	05 25	05 35
4457 N	06	15	28	W097.42	B	06 11	06 42	06 12	06 37	06 12	06 42		
4458 D	07	09	07	E 069.17	B	06 42	07 31			06 42	07 31	06 41	07 26
4458 N	08	02	42	W124.23	B	07 31	08 14	07 31	08 14	07 31	08 13		
4459 D	08	56	21	E 042.36	A	09 09	09 18			09 10	09 18		
4459 N	09	49	56	W151.04	A	09 18	09 23						
4459 N	09	49	56	W151.04	B	09 33	10 17	09 34	10 12	09 34	10 17		
4460 D	10	43	35	E 015.55	B	10 17	11 05			10 17	11 05	10 15	11 00
4460 N	11	37	10	W177.85	B	11 05	11 11	11 05	11 11	11 05	11 12		
4460 N	11	37	10	W177.85	B	11 18	12 04	11 18	11 57	11 18	12 04		
4461 D	12	30	49	W011.26	B	12 04	12 25			12 04	12 53	12 02	12 48
4461 N	13	24	24	E 155.34	B					12 53	12 58		
4461 N	13	24	24	E 155.34	B	13 04	13 51	13 05	13 44	13 05	13 51		
4462 D	14	18	03	W038.07	B	13 51	14 40			13 51	14 40	13 50	14 35
4462 N	15	11	39	E 128.54	B	14 40	14 43						
4462 N	15	11	39	E 128.54	A	14 57	15 11	14 57	15 09	14 57	15 11		
4463 D	16	05	17	W064.88									
4463 N	16	58	53	E 101.73	A	16 44	16 57	16 44	16 57	16 44	16 57		
4464 D	17	52	31	W091.68	B	18 11	18 14						
4464 N	18	46	07	E 074.92	B	18 14	19 13	18 14	19 08	18 14	19 13		
4465 D	19	39	45	W118.49	B	19 13	19 54			19 13	19 55	19 12	19 57
4465 N	20	33	21	E 048.11	B	20 01	21 00	20 02	20 54	20 02	21 00		
4466 D	21	26	59	W145.30	B	21 00	21 43			21 00	21 44	20 59	21 44
4466 N	22	20	35	E 021.30	B	21 50	22 47	21 50	22 43	21 50	22 47		
4467 D	23	14	13	W172.11	B	22 47	23 29			22 47	23 29	22 46	23 28
4467 N	00	07	49	W005.51									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 7 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4468 D	01	01	27	E 161.08	B	00 52	01 23			00 35	01 23	00 37	01 18
4468 N	01	55	03	W032.32	B	01 23	02 22	01 23	02 12	01 23	02 22		
4469 D	02	48	41	E 134.27	B	02 22	02 37			02 22	02 36	02 21	02 34
4469 N	03	42	17	W059.13									
4470 D	04	35	55	E 107.46									
4470 N	05	29	31	W085.94	A	04 58	05 12	04 58	05 11	04 58	05 11		
4471 D	06	23	09	E 080.65	A	06 23	06 37			06 23	06 36	06 26	06 37
4471 N	07	16	45	W112.74	B	07 05	07 44	07 05	07 38	07 05	07 44		
4472 D	08	10	23	E 053.85	B	07 44	08 32			07 44	08 32	07 42	08 27
4472 N	09	03	59	W139.55	B	08 32	08 41	08 32	08 40	08 32	08 40		
4472 N	09	03	59	W139.55	B	08 47	09 31	08 47	09 25	08 47	09 31		
4473 D	09	57	37	E 027.04	B	09 31	10 19			09 31	10 19	09 29	10 14
4473 N	10	51	13	W166.36	B	10 19	10 28	10 19	10 27	10 19	10 27		
4473 N	10	51	13	W166.36	B	10 33	11 18	10 33	11 12	10 33	11 18		
4474 D	11	44	52	E 000.23	B	11 18	12 07			11 18	12 07	11 17	12 02
4474 N	12	38	27	E 166.83	B	12 07	12 13			12 07	12 12		
4474 N	12	38	27	E 166.83	B	12 18	13 05	12 18	12 59	12 18	13 05		
4475 D	13	32	06	W026.58	B	13 05	13 47			13 05	13 54	13 04	13 49
4475 N	14	25	41	E 140.02	A	14 11	14 25	14 11	14 24	14 11	14 25		
4476 D	15	19	20	W053.39									
4476 N	16	12	55	E 113.21	A	15 58	16 12	15 58	16 11	15 58	16 12		
4477 D	17	06	34	W080.20									
4477 N	18	00	09	E 086.40	B	17 28	18 27	17 28	18 22	17 28	18 27		
4478 D	18	53	48	W107.01	B	18 27	19 12			18 27	19 11	18 26	19 11
4478 N	19	47	23	E 059.59	B	19 17	20 14	19 17	20 09	19 17	20 14		
4479 D	20	41	02	W133.82	B	20 14	20 56			20 14	20 55	20 13	20 55
4479 N	21	34	37	E 032.79	B	21 03	22 02	21 03	21 56	21 03	22 02		
4480 D	22	28	16	W160.63	B	22 02	22 45			22 02	22 44	22 00	22 42
4480 N	23	21	51	E 005.98									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 8 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4481 D	00	15	30	E 172.56	B	23 50	00 37			23 50	00 37	23 51	00 29
4481 N	01	09	05	W020.83	B	00 37	01 30	00 37	01 31	00 37	01 36		
4482 D	02	02	44	E 145.76	B					01 36	01 51	01 35	01 52
4482 N	02	56	19	W047.64									
4483 D	03	49	58	E 118.95									
4483 N	04	43	33	W074.45	A	04 14	04 28	04 14	04 27	04 14	04 27		
4484 D	05	37	12	E 092.14									
4484 N	06	30	47	W101.26	A	06 00	06 13	05 59	06 12	05 59	06 13		
4484 N	06	30	47	W101.26	B	06 17	06 58	06 17	06 53	06 17	06 58		
4485 D	07	24	26	E 065.33	B	06 58	07 46			06 58	07 46	06 56	07 41
4485 N	08	18	02	W128.07	B	07 46	07 56	07 46	07 53	07 46	07 55		
4485 N	08	18	02	W128.07	B	08 01	08 45	08 01	08 39	08 00	08 45		
4486 D	09	11	40	E 038.52	B	08 45	09 34			08 45	09 34	08 47	09 29
4486 N	10	05	16	W154.88	B	09 34	09 43	09 34	09 42	09 34	09 42		
4486 N	10	05	16	W154.88	B	09 49	10 32	09 49	10 26	09 49	10 32		
4487 D	10	58	54	E 011.71	B	10 32	11 21			10 32	11 21	10 31	11 16
4487 N	11	52	30	E 178.31	B	11 21	11 28	11 21	11 27	11 21	11 26		
4487 N	11	52	30	E 178.31	B	11 32	12 20	11 33	12 14	11 33	12 20		
4488 D	12	46	08	W015.10	B	12 20	13 08			12 20	13 08	12 18	13 03
4488 N	13	39	44	E 151.50	B	13 08	13 13			13 08	13 13		
4488 N	13	39	44	E 151.50	B	13 19	14 07	13 19	14 01	13 19	14 07		
4489 D	14	33	22	W041.91	B	14 07	14 55			14 07	14 55	14 05	14 50
4489 N	15	26	58	E 124.69	B	14 55	14 58						
4489 N	15	26	58	E 124.69	A	15 12	15 26	15 12	15 26	15 13	15 25		
4490 D	16	20	36	W068.71									
4490 N	17	14	12	E 097.89	A	17 00	17 13	16 59	17 12	16 59	17 12		
4491 D	18	07	50	W095.52	B	18 25	18 30						
4491 N	19	01	26	E 071.08	B	18 30	19 28	18 30	19 23	18 30	19 29		
4492 D	19	55	04	W122.33	B	19 28	20 12			19 29	20 11	19 27	20 12
4492 N	20	48	40	E 044.27	B	20 17	21 16	20 17	21 10	20 17	21 16		
4493 D	21	42	18	W149.14	B	21 16	21 58			21 16	21 57	21 14	21 56
4493 N	22	35	54	E 017.46									
4494 D	23	29	32	W175.95									
4494 N	00	23	08	W009.35									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 9 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4495 D	01	16	47	E 157.24	B	00 50	01 39			00 51	01 39	00 52	01 34
4495 N	02	10	22	W036.16	B	01 39	02 32	01 39	02 32	01 39	02 37		
4496 D	03	04	01	E 130.43	B					02 37	02 52	02 36	02 50
4496 N	03	57	36	W062.97									
4497 D	04	51	15	E 103.62	A	05 10	05 13						
4497 N	05	44	50	W089.78	A	05 13	05 28	05 13	05 26	05 13	05 27		
4498 D	06	38	29	E 076.81	A	06 38	06 52			06 39	06 52	06 42	06 52
4498 N	07	32	04	W116.59	B	07 17	07 59	07 17	07 53	07 17	07 59		
4499 D	08	25	43	E 050.00	B	07 59	08 48			07 59	08 48	07 58	08 43
4499 N	09	19	18	W143.39	B	08 48	08 57	08 48	08 54	08 48	08 56		
4499 N	09	19	18	W143.39	B	09 10	09 46	09 02	09 40	09 02	09 46		
4500 D	10	12	57	E 023.19	B	09 46	10 35			09 46	10 35	09 45	10 30
4500 N	11	06	32	W170.20	B	10 35	10 41	10 35	10 43	10 35	10 42		
4500 N	11	06	32	W170.20	B	10 48	11 34	10 49	11 28	10 48	11 34		
4501 D	12	00	11	W003.62	B	11 34	12 22			11 34	12 22	11 33	12 17
4501 N	12	53	46	E 162.99	B	12 22	12 28						
4501 N	12	53	46	E 162.99	B	12 30	13 21	12 33	13 14	12 33	13 21		
4502 D	13	47	25	W030.42	B	13 21	14 09			13 21	14 09	13 19	14 04
4502 N	14	41	00	E 136.18	B	14 09	14 15			14 09	14 14		
4502 N	14	41	00	E 136.18	A	14 27	14 41	14 26	13 39				
4503 D	15	34	39	W057.23									
4503 N	16	28	14	E 109.37	A	16 14	16 27	16 13	16 26	16 13	16 27		
4504 D	17	21	53	W084.04	B	17 41	17 44						
4504 N	18	15	28	E 082.56	B	17 44	18 43	17 44	18 37	17 44	18 43		
4505 D	19	09	07	W110.85	B	18 43	19 27			18 43	19 26	18 41	19 26
4505 N	20	02	42	E 055.75	B	19 32	20 30	19 32	20 24	19 32	20 30		
4506 D	20	56	21	W137.66	B	20 30	21 12			20 30	21 11	20 29	21 01
4506 N	21	49	56	E 028.94	B	21 18	22 17	21 18	22 11	21 18	22 17		
4507 D	22	43	35	W164.47	B	22 17	23 00			22 17	22 58	22 16	22 57
4507 N	23	37	11	E 002.14									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 10 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4508 D	00	30	49	E 168.72	B					00 04	00 53		
4508 N	01	24	25	W024.67	B			01 05	01 24	00 53	01 52		
4508 N	01	24	25	W024.67	B	01 30	01 52	01 35	01 47				
4509 D	02	18	03	E141.91	B	01 52	02 06			01 52	02 04	01 50	02 04
4509 N	03	11	39	W051.48									
4510 D	04	05	17	E 115.11	A	04 20	04 27						
4510 N	04	58	53	W078.29	A	04 27	04 44	04 34	04 42	04 29	04 42		
4511 D	05	52	31	E 088.30	A	05 50	06 08			05 53	06 06	05 56	06 06
4511 N	06	46	07	W105.10	B	06 30	07 13	06 31	07 07	06 31	07 13		
4512 D	07	39	45	E 061.49	B	07 13	08 02			07 13	08 02	07 12	07 57
4512 N	08	33	21	W131.91	B	08 02	08 12	08 02	08 10	08 02	08 11		
4512 N	08	33	21	W131.91	B	08 18	09 01	08 18	08 55	08 18	09 01		
4513 D	09	26	59	E 034.68	B	09 01	09 49			09 01	09 49	08 59	09 44
4513 N	10	20	35	W158.72	B	09 49	09 58	09 49	09 57	09 49	09 57		
4513 N	10	20	35	W158.72	B	10 03	10 48	10 04	10 42	10 04	10 48		
4514 D	11	14	13	E 007.87	B	10 48	11 36			10 48	11 36	10 46	11 31
4514 N	12	07	49	E 174.47	B	11 36	11 43	11 36	11 41	11 36	11 42		
4514 N	12	07	49	E 174.47	B	11 49	12 35	11 49	12 30	11 49	12 35		
4515 D	13	01	28	W018.94	B	12 35	13 24			12 35	13 24	12 34	13 19
4515 N	13	55	03	E 147.66	B	13 24	13 29						
4515 N	13	55	03	E 147.66	A	13 41	13 53	13 40	13 53	13 40	13 53		
4516 D	14	48	42	W045.75									
4516 N	15	42	17	E 120.85	A	15 28	15 41	15 28	15 40	15 28	15 41		
4517 D	16	35	56	W072.56									
4517 N	17	29	31	E 094.04	A	17 16	17 29	17 15	17 28	17 16	17 29		
4518 D	18	23	10	W099.37	B	18 41	18 45						
4518 N	19	16	45	E 067.24	B	18 45	19 44	18 45	19 39	18 45	19 44		
4519 D	20	10	24	W126.18	B	19 44	20 28			19 44	20 27	19 43	20 28
4519 N	21	03	59	E 040.43	B	20 33	21 31	20 33	21 30	20 33	21 31		
4520 D	21	57	38	W152.98	B	21 31	22 14			21 31	22 13	21 34	22 12
4520 N	22	51	13	E 013.62									
4521 D	23	44	52	W179.79	B	23 19	00 07			23 19	00 07	23 21	00 06
4521 N	00	38	27	W013.19	B	00 07	01 06	00 07	01 04	00 07	01 06		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 11 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4522 D	01	32	06	E 153.40	B	01 06	01 21			01 06	01 20	01 08	01 18
4522 N	02	25	41	W040.00									
4523 D	03	19	20	E 126.59									
4523 N	04	12	55	W066.81	A	03 46	04 00	03 47	03 59	03 47	04 00		
4524 D	05	06	34	E 099.78	A	05 08	05 21			05 07	05 20	05 10	05 20
4524 N	06	00	09	W093.62									
4525 D	06	53	48	E 072.97									
4525 N	07	47	23	W120.43	B	07 34	08 15	07 33	08 13	07 33	08 15		
4526 D	08	41	02	E 046.16	B	08 15	09 03			08 15	09 03	08 17	09 02
4526 N	09	34	37	W147.23	B	09 03	09 11	09 04	09 10	09 03	09 10		
4526 N	09	34	37	W147.23	B	09 17	10 02	09 17	10 00	09 17	10 02		
4527 D	10	28	16	E 019.35	B	10 02	10 51			10 02	10 51	10 04	10 49
4527 N	11	21	51	W174.04	B	10 51	10 57	10 51	10 56	10 51	10 56		
4527 N	11	21	51	W174.04	B	11 02	11 49	11 02	11 48	11 02	11 49		
4528 D	12	15	30	W007.45	B	11 49	12 38			11 49	12 38	11 51	12 36
4528 N	13	09	05	E 159.15	B	12 38	12 41						
4528 N	13	09	05	E 159.15	B	12 47	13 36	12 48	13 35	12 48	13 36		
4529 D	14	02	44	W034.26	B	13 36	14 25			13 36	14 25	13 39	14 24
4529 N	14	56	20	E 132.34	B	14 25	14 29						
4529 N	14	56	20	E 132.34	A	14 41	14 56	14 41	14 54	14 42	14 55		
4530 D	15	49	58	W061.07									
4530 N	16	43	34	E 105.53	A	16 29	16 43	16 29	16 42	16 29	16 43		
4531 D	17	37	12	W087.88	B	17 55	18 00			17 55	18 00		
4531 N	18	30	48	E 078.72	B	18 00	18 58	18 00	18 55	18 00	18 58		
4532 D	19	24	26	W114.69	B	18 58	19 42			18 58	19 41	19 04	19 39
4532 N	20	18	02	E 051.91	B	19 47	20 45	19 47	20 43	19 47	20 45		
4533 D	21	11	40	W141.50	B	20 45	21 32			20 45	21 31	20 48	21 33
4533 N	22	05	16	E 025.10	B	21 38	22 33	21 38	22 31	21 38	22 33		
4534 D	22	58	55	W168.31	B	22 33	23 16			22 33	23 15	22 35	23 13
4534 N	23	52	30	W001.71									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 12 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4535 D	00	46	09	E 164.88									
4535 N	01	39	44	W028.51									
4536 D	02	33	23	E 138.07	A	02 40	02 53			02 39	02 52	02 41	02 51
4536 N	03	26	58	W055.32	B	02 56	03 54	02 56	03 50	02 56	03 54		
4537 D	04	20	37	E 111.26	B	03 54	04 43			03 54	04 43	04 07	04 42
4537 N	05	14	12	W082.13	B	04 43	04 51	04 43	04 56	04 43	04 57		
4538 D	06	07	51	E 084.46	A	06 09	06 21			06 08	06 22	06 12	06 22
4538 N	07	01	26	W108.94	B	06 46	07 29	06 46	07 27	06 46	07 29		
4539 D	07	55	05	E 057.65	B	07 29	08 17			07 29	08 17	07 31	08 16
4539 N	08	48	40	W135.74	B	08 17	08 25	08 17	08 23	08 17	08 24		
4539 N	08	48	40	W135.74	B	08 30	09 16	08 30	09 13	08 30	09 16		
4540 D	09	42	19	E 030.84	B	09 16	10 05			09 16	10 05	09 16	10 03
4540 N	10	35	54	W162.56	B	10 05	10 08	10 05	10 11	10 05	10 12		
4540 N	10	35	54	W162.56	B	10 18	11 03	10 17	11 01	10 18	11 03		
4541 D	11	29	33	E 004.03	B	11 03	11 52			11 03	11 52	11 05	11 50
4541 N	12	23	08	E 170.64	B	11 52	11 58	11 52	11 57	11 52	11 57		
4541 N	12	23	08	E 170.64	B	12 03	12 51	12 03	12 49	12 03	12 51		
4542 D	13	16	47	W022.77	B	12 51	13 39			12 51	13 39	12 53	13 38
4542 N	14	10	22	E 143.82	B	13 39	13 44						
4542 N	14	10	22	E 143.82	A	13 55	14 09	13 55	14 08	13 55	14 08		
4543 D	15	04	01	W049.58									
4543 N	15	57	36	E 117.02	A	15 44	15 57	15 44	15 57	15 44	15 57		
4544 D	16	51	15	W 076.39	B	17 11	17 14						
4544 N	17	44	50	E 090.21	B	17 14	18 12	17 14	18 09	17 14	18 12		
4545 D	18	38	29	W103.20	B	18 12	18 57			18 12	18 57	18 14	18 56
4545 N	19	32	04	E 063.40	B	19 03	20 00	19 03	19 58	19 03	20 00		
4546 D	20	25	43	W130.01	B	20 00	20 46			20 00	20 45	20 02	20 43
4546 N	21	19	18	E 036.59	B	20 51	21 47	20 51	21 44	20 51	21 47		
4547 D	22	12	57	W156.82	B	21 47	22 28			21 47	22 30	21 49	22 31
4547 N	23	06	32	E 009.78									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 13 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4548 D	00	00	11	E 176.37	B	00 06	00 23			00 05	00 23		
4548 N	00	53	46	W017.02	B	00 23	01 21	00 23	01 17	00 23	01 21		
4549 D	01	47	25	E 149.56	B	01 21	02 07			01 21	02 06	01 20	02 05
4549 N	02	41	01	W043.84									
4550 D	03	34	39	E 122.76									
4550 N	04	28	15	W070.64									
4551 D	05	21	53	E 095.94	A	05 22	05 36					05 26	05 36
4551 N	06	15	29	W097.46									
4552 D	07	09	07	E 069.14	B	07 03	07 32			07 04	07 32	07 06	07 30
4552 N	08	02	43	W124.26	B	07 32	08 30	07 32	08 28	07 32	08 30		
4553 D	08	56	22	E 042.32	B	08 30	09 06			08 30	09 04	08 30	09 04
4553 D	08	56	22	E 042.32	A	09 09	09 19						
4553 N	09	49	57	W151.07	A	09 19	09 23						
4553 N	09	49	57	W151.07	B	09 31	10 18	09 31	10 15	09 32	10 18		
4554 D	10	43	36	E 015.52	B	10 18	11 06			10 18	11 06	10 16	11 01
4554 N	11	37	11	W177.88	B	11 06	11 13	11 06	11 13	11 06	11 13		
4554 N	11	37	11	W177.88	B	11 19	12 05	11 19	12 01	11 19	12 05		
4555 D	12	30	50	W011.30	B	12 05	12 53			12 05	12 53	12 04	12 52
4555 N	13	24	25	E 155.31	B	13 03	13 52	13 03	13 50	13 03	13 52		
4556 D	14	18	04	W038.10	B	13 52	14 41			13 52	14 41	13 54	14 39
4556 N	15	11	39	E 128.51	A	14 57	15 09	14 57	15 10				
4557 D	16	05	18	W064.90									
4557 N	16	58	53	E 101.69	A	16 44	16 58	16 44	16 57				
4558 D	17	52	32	W091.72	B	18 12	18 15						
4558 N	18	46	07	E 074.89	B	18 15	19 14	18 15	19 11	18 15	19 14		
4559 D	19	39	46	W118.52	B	19 14	19 55			19 14	19 55	19 13	19 54
4559 N	20	33	21	E 048.08	B	20 02	21 01	20 02	21 01	20 02	21 01		
4560 D	21	27	00	W145.34	B	21 01	21 43	21 01	21 42	21 01	21 42		
4560 N	22	20	35	E 021.27	B	21 50	22 48	21 50	22 48	21 50	22 48		
4561 D	23	14	14	W172.14	B	22 48	23 31	22 48	23 30	22 48	23 31		
4561 N	00	07	49	W005.54									

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 14 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4562 D	01	01	28	E 161.04									
4562 N	01	55	03	W032.35									
4563 D	02	48	42	E 134.24	A/B	02 53	03 11					02 56	03 07
4563 N	03	42	17	W059.15	B	03 11	04 10	03 11	04 10	03 11	04 10		
4564 D	04	35	56	E 107.42	B	04 10	04 59	04 10	04 59	04 10	04 59		
4564 N	05	29	31	W085.97	B	04 59	05 10	04 59	05 10	04 59	05 10		
4565 D	06	23	10	E 080.62	A	06 23	06 37					06 24	06 34
4565 N	07	16	45	W112.77	B			07 01	07 41	07 01	07 44		
4566 D	08	10	24	E 053.81	B					07 44	08 33	07 47	08 32
4566 N	09	03	59	W139.59	B	08 36	08 41	08 33	08 40	08 33	08 40		
4566 N	09	03	59	W139.59	B	08 46	09 32	08 46	09 30	08 46	09 32		
4567 D	09	57	38	E 027.00	B	09 32	10 20			09 32	10 20	09 31	10 19
4567 N	10	51	13	W166.39	B	10 20	10 29	10 20	10 29	10 20	10 29		
4567 N	10	51	13	W166.39	B	10 35	11 19	10 35	11 17	10 35	11 19		
4568 D	11	44	52	E 000.19	B	11 19	12 08			11 19	12 08	11 18	12 03
4568 N	12	38	27	E 166.79	B	12 08	12 15	12 08	12 14	12 08	12 14		
4568 N	12	38	27	E 166.79	B	12 20	13 06	12 20	13 04	12 20	13 06		
4569 D	13	32	06	W026.62	B	13 06	13 55			13 06	13 55	13 05	13 53
4569 N	14	25	42	E 139.99	B	13 55	13 59						
4569 N	14	25	42	E 139.99	A	14 11	14 25	14 11	14 22				
4570 D	15	19	20	W053.42									
4570 N	16	12	56	E 113.17	A	15 58	16 11	15 58	16 12				
4571 D	17	06	35	W080.24									
4571 N	18	00	10	E 086.37	B	17 29	18 28	17 29	18 26	17 29	18 28		
4572 D	18	53	49	W107.04	B	18 28	19 10			18 28	19 09	18 27	19 08
4572 N	19	47	24	E 059.57	B	19 17	20 15	19 16	20 13	19 16	20 15		
4573 D	20	41	03	W133.85	B	20 15	21 00			20 15	20 59	20 14	20 59
4573 N	21	34	38	E 032.75	B	21 09	22 02	21 05	22 00	21 05	22 02		
4574 D	22	28	17	W160.66	B	22 02	22 44			22 02	22 44	22 01	22 43
4574 N	23	21	52	E 005.95									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 15 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4575 D	00	15	31	E 172.53	A/B	00 11	00 38			00 20	00 38	00 16	00 23
4575 N	01	09	06	W020.87	B	00 38	01 37	00 38	01 35	00 38	01 37		
4576 D	02	02	44	E 145.73	B	01 37	02 22			01 37	02 20	01 36	02 21
4576 N	02	56	19	W047.67									
4577 D	03	49	58	E 118.91									
4577 N	04	43	33	W074.48									
4578 D	05	37	12	E 092.11	A	05 38	05 52						
4578 N	06	30	48	W101.29	B	06 22	06 59	06 22	06 56	06 22	06 59		
4579 D	07	24	27	E 065.30	B	06 59	07 47			06 59	07 47	06 57	07 46
4579 N	08	18	02	W128.10	B	07 47	07 56	07 47	07 55	07 47	07 55		
4579 N	08	18	02	W128.10	B	08 01	08 46	08 01	08 44	08 01	08 46		
4580 D	09	11	41	E 038.49	B	08 46	09 34			08 46	09 34	08 45	09 33
4580 N	10	05	16	W154.91	B	09 34	09 42	09 34	09 41	09 34	09 41		
4580 N	10	05	16	W154.91	B	09 48	10 33	09 47	10 31	09 47	10 33		
4581 D	10	58	55	E 011.68	B	10 33	11 22			10 33	11 22	10 35	11 20
4581 N	11	52	30	E 178.29	B	11 22	11 26						
4581 N	11	52	30	E 178.29	B	11 31	12 20	11 32	12 17	11 31	12 20		
4582 D	12	46	09	W015.13	B	12 20	13 09			12 20	13 09	12 19	13 08
4582 N	13	39	44	E 151.47	β	13 09	13 17	13 09	13 16	13 09	13 16		
4582 N	13	39	44	E 151.47	B	13 23	14 08	13 23	14 05	13 23	14 08		
4583 D	14	33	23	W041.93	B	14 08	14 51			14 08	14 56	14 06	14 51
4583 N	15	26	58	E 124.67	A	15 13	15 26	15 12	15 25				
4584 D	16	20	37	W068.75									
4584 N	17	14	12	E 097.85	A	17 00	17 13	16 59	17 13				
4585 D	18	07	51	W095.55	B	18 27	18 31						
4585 N	19	01	26	E 071.05	B	18 31	19 29	18 31	19 27	18 31	19 29		
4586 D	19	55	05	W122.37	B	19 29	20 09			19 29	20 09	19 32	20 06
4586 N	20	48	40	E 044.24	B	20 18	21 17	20 18	21 14	20 18	21 17		
4587 D	21	42	19	W149.17	B	21 17	21 58			21 17	21 56	21 15	21 57
4587 N	22	35	54	E 017.43									
4588 D	23	29	33	W175.99									
4588 N	00	23	08	W009.38									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 16 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4589 D	01	16	47	E 157.21									
4589 N	02	10	22	W036.18									
4590 D	03	04	01	E 130.39	A/B	03 09	03 27					03 12	03 22
4590 N	03	57	36	W063.00	B	03 27	04 26	03 27	04 23	03 27	04 26		
4591 D	04	51	15	E 103.59	B	04 26	05 14			04 26	05 14	04 25	05 10
4591 N	05	44	50	W089.80	B	05 14	05 24	05 14	05 25	05 14	05 25		
4592 D	06	38	29	E 076.79	A	06 38	06 51					06 39	06 50
4592 N	07	32	04	W116.62	B	07 18	08 00	07 17	07 58	07 17	08 00		
4593 D	08	25	43	E 049.97	B	08 00	08 48			08 00	08 49	07 59	08 47
4593 N	09	19	18	W143.42	B			08 49	08 57	08 49	08 56		
4593 N	09	19	18	W143.42	B	09 03	09 47	09 03	09 44	09 02	09 47		
4594 D	10	12	57	E 023.17	B	09 47	10 36			09 47	10 36	09 46	10 35
4594 N	11	06	32	W170.23	B	10 36	10 40			10 36	10 42		
4594 N	11	06	32	W170.23	B	10 48	11 35	10 48	11 32	10 48	11 35		
4595 D	12	00	11	W003.65	B	11 35	12 22			11 35	12 23	11 33	12 22
4595 N	12	53	46	E 162.96	B	12 33	13 22	12 33	13 19	12 33	13 22		
4596 D	13	47	25	W030.45	B	13 22	14 10			13 22	14 10	13 24	14 09
4596 N	14	41	00	E 136.16	B	14 10	14 15						
4596 N	14	41	00	E 136.16	A	14 26	14 40	14 26	14 40				
4597 D	15	34	39	W057.26									
4597 N	16	28	14	E 109.34	A	16 14	16 25	16 13	16 26				
4598 D	17	21	53	W084.07									
4598 N	18	15	28	E 082.54	B	17 45	18 43	17 45	18 41	17 45	18 43		
4599 D	19	09	07	W110.88	B	18 43	19 25			18 43	19 24	18 42	19 24
4599 N	20	02	42	E 055.72	B	19 32	20 31	19 32	20 28	19 32	20 31		
4600 D	20	56	22	W137.69	B	20 31	21 16			20 31	21 15	20 30	21 15
4600 N	21	49	56	E 028.92	B	21 21	22 18	21 21	22 14	21 22	22 18		
4601 D	22	43	36	W164.50	B	22 18	23 00			22 18	22 58	22 17	22 58
4601 N	23	37	10	E 002.10									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 17 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HQRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4602 D	00	30	50	E 168.69	A/B	00 20	00 54			00 34	00 54	00 21	00 32
4602 N	01	24	24	W024.70	B	00 54	01 52	00 54	01 50	00 54	01 52		
4603 D	02	18	04	E 141.88	B	01 52	02 37			01 52	02 36	01 51	02 36
4603 N	03	11	38	W051.52									
4604 D	04	05	18	E 115.07									
4604 N	04	58	53	W078.32									
4605 D	05	52	32	E 088.27	A	05 54	06 07					05 53	06 07
4605 N	06	46	07	W105.12	B	06 31	07 14	06 31	07 12	06 31	07 14		
4606 D	07	39	46	E 061.46	B	07 14	08 03			07 14	08 03	07 16	08 01
4606 N	08	33	21	W131.94	B	08 03	08 06	08 03	08 09	08 03	08 09		
4606 N	08	33	21	W131.94	B	08 15	09 01	08 15	08 57	08 15	09 01		
4607 D	09	27	00	E 034.65	B	09 01	09 50			09 01	09 50	09 04	09 49
4607 N	10	20	35	W158.74	B	09 50	09 57	09 50	09 56	09 50	09 56		
4607 N	10	20	35	W158.74	B	10 02	10 49	10 02	10 46	10 02	10 49		
4608 D	11	14	14	E 007.84	B	10 49	11 37			10 49	11 37	10 47	11 36
4608 N	12	07	49	E 174.44	B	11 37	11 42						
4608 N	12	07	49	E 174.44	B	11 47	12 36	11 47	12 36	11 47	12 36		
4609 D	13	01	28	W018.97	B	12 36	13 24			12 36	13 24	12 35	13 23
4609 N	13	55	03	E 147.64	B/A	13 24	13 48	13 37	13 53	13 24	13 48		
4610 D	14	48	42	W045.78									
4610 N	15	42	17	E 120.82	A	15 28	15 42	15 30	15 39				
4611 D	16	35	56	W072.58	B	16 56	16 59						
4611 N	17	29	31	E 094.02	B	16 59	17 06						
4611 N	17	29	31	E 094.02	A	17 16	17 29	17 15	17 28				
4612 D	18	23	10	W099.40									
4612 N	19	16	45	E 067.20	B	18 48	19 45	18 48	19 41	18 48	19 45		
4613 D	20	10	24	W126.20	B	19 45	20 26			19 45	20 25	19 44	20 25
4613 N	21	03	59	E 040.40	B	20 36	21 32	20 33	21 29	20 33	21 32		
4614 D	21	57	38	W153.02	B	21 32	22 14			21 32	22 15	21 31	22 13
4614 N	22	51	13	E 013.58	B	22 24	23 19	22 23	23 16	22 24	23 19		
4615 D	23	44	52	W179.82	B	23 19	00 08			23 19	00 08	23 18	00 03
4615 N	00	38	27	W013.22	B	00 08	00 24	00 08	00 25	00 08	00 25		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 18 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4616 D	01	32	06	E 153.36	A	01 41	01 54					01 44	01 54
4616 N	02	25	41	W040.03									
4617 D	03	19	20	E 126.56									
4617 N	04	12	55	W066.84									
4618 D	05	06	34	E 099.76	A	05 16	05 29						
4618 N	06	00	09	W093.64									
4619 D	06	53	48	E 072.94	A	07 02	07 17					07 05	07 16
4619 N	07	47	23	W120.45	B	07 32	08 16	07 32	08 12	07 32	08 16		
4620 D	08	41	02	E 046.14	B	08 16	09 04			08 16	09 04	08 14	08 59
4620 N	09	34	37	W147.26	B	09 04	09 11			09 04	09 10		
4620 N	09	34	37	W147.26	B	09 17	10 03	09 17	10 00	09 17	10 03		
4621 D	10	28	16	E 019.32	B	10 03	10 51			10 03	10 51	10 02	10 50
4621 N	11	21	51	W174.07	B	10 51	11 03	10 51	11 01	10 51	11 02		
4621 N	11	21	51	W174.07	B	11 08	11 50	11 08	11 47	11 08	11 50		
4622 D	12	15	31	W007.48	B	11 50	12 39			11 50	12 39	11 49	12 37
4622 N	13	09	05	E 159.12	B	12 39	12 43						
4622 N	13	09	05	E 159.12	B	12 48	13 37	12 48	13 34	12 48	13 37		
4623 D	14	02	45	W034.30	B	13 37	14 26			13 37	14 26	13 36	14 25
4623 N	14	56	19	E 132.31	B	14 26	14 30						
4624 D	15	49	59	W061.10	A	15 59	16 13					16 01	16 12
4624 N	16	43	33	E 105.50									
4625 D	17	37	13	W087.92	A	17 46	18 00					17 49	17 59
4625 N	18	30	47	E 078.69	B	18 00	18 59	18 00	18 56	18 00	18 59		
4626 D	19	24	27	W114.72	B/A	18 59	19 48			18 59	19 39	18 58	19 39
4626 N	20	18	01	E 051.89	B	19 48	20 46	19 48	20 44	19 48	20 46		
4627 D	21	11	41	W141.53	B/A	20 46	21 35			20 46	21 24	20 45	21 23
4627 N	22	05	15	E 025.07	B/A	21 35	22 34	21 35	22 30	21 35	22 34		
4628 D	22	58	55	W168.34	B/A	22 34	23 22			22 34	23 15	22 32	23 21
4628 N	23	52	29	W001.73	B			23 24	00 18	23 24	00 21		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 19 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4629 D	00	46	09	E 164.86	B					00 21	01 09	00 20	01 08
4629 N	01	39	44	W028.54	B			01 09	01 25	01 09	01 25		
4630 D	02	33	23	E 138.04									
4630 N	03	26	58	W055.35									
4631 D	04	20	37	E 111.24									
4631 N	05	14	12	W082.16									
4632 D	06	07	51	E 084.42	A	06 17	06 30					06 19	06 30
4632 N	07	01	26	W108.97	B	06 50	07 30	06 50	07 26	06 50	07 30		
4633 D	07	55	05	E 057.62	B	07 30	08 18			07 30	08 18	07 29	08 17
4633 N	08	48	40	W135.77	B	08 18	08 25	08 18	08 26	08 18	08 26		
4633 N	08	48	40	W135.77	B	08 32	09 17	08 32	09 14	08 32	09 17		
4634 D	09	42	19	E 030.80	B	09 17	10 00			09 17	10 06	09 16	10 04
4634 N	10	35	54	W162.59	B			10 06	10 13	10 06	10 13		
4634 N	10	35	54	W162.59	B	10 19	11 04	10 19	11 02	10 19	11 04		
4635 D	11	29	33	E 004.00	B	11 04	11 53			11 04	11 53	11 03	11 52
4635 N	12	23	08	E 170.61	B	11 53	11 58			11 53	11 59		
4635 N	12	23	08	E 170.61	B	12 05	12 51	12 05	12 48	12 05	12 51		
4636 D	13	16	47	W022.79	B	12 51	13 40			12 51	13 40	12 50	13 39
4636 N	14	10	22	E 143.82									
4637 D	15	04	01	W049.61	A	15 13	15 26					15 16	15 26
4637 N	15	57	36	E 117.01	A	15 37	16 26	15 36	16 23				
4638 D	16	51	15	W076.43	A	16 26	17 09					16 25	17 06
4638 N	17	44	50	E 090.18	B	17 51	18 13	17 15	18 10	17 15	18 13		
4639 D	18	38	29	W103.21	B	18 13	18 43			18 13	18 54	18 12	18 54
4639 D	18	38	29	W103.21	A	18 47	19 01						
4639 N	19	32	04	E 063.37	B	19 08	20 00	19 02	19 57	19 02	20 00		
4640 D	20	25	43	W130.03	B/A	20 00	20 47			20 00	20 44	19 59	20 44
4640 N	21	19	18	E 036.58	B			20 54	21 47	20 51	21 48		
4641 D	22	12	57	W156.84	B/A	22 05	22 33			21 48	22 28	21 50	22 28
4641 N	23	06	32	E 009.77	B	22 39	23 35	22 41	22 46	22 39	23 35		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 20 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4642 D	00	00	11	E176.34	B	23 35	00 23			23 35	00 23	23 34	00 26
4642 N	00	53	46	W017.04	B	00 23	00 41	00 28	00 40	00 23	00 40		
4643 D	01	47	25	E 149.55	A	01 56	02 11					01 59	02 10
4643 N	02	41	00	W043.87	A	02 11	03 09						
4644 D	03	34	40	E 122.74	A	03 09	03 55					03 46	05 57
4644 N	04	28	14	W070.65									
4645 D	05	21	54	E 095.92									
4645 N	06	15	28	W097.47									
4646 D	07	09	08	E 069.10	A/B	07 04	07 18			07 19	07 32	07 07	07 17
4646 N	08	02	42	W124.28	B			07 37	07 46	07 32	08 31		
4647 D	08	56	22	E 042.32	B	08 51	09 20			08 31	09 19	08 30	09 22
4647 N	09	49	56	W151.07	B	09 34	10 18	09 34	09 46	09 34	10 18		
4648 D	10	43	36	E 015.50	B	10 18	11 07			10 18	11 07	10 17	11 09
4648 N	11	37	10	W177.88	B	11 07	11 12						
4648 N	11	37	10	W177.88	B	11 17	12 06	11 18	11 46	11 18	12 06		
4649 D	12	30	50	W011.32	B	12 06	12 54			12 06	12 54	12 04	12 56
4649 N	13	24	24	E 155.29	B	13 02	13 53	13 02	13 46	13 02	13 53		
4650 D	14	18	04	W038.13	B	13 53	14 41			13 53	14 41	13 52	14 44
4650 N	15	11	38	E 128.48									
4651 D	16	05	18	W064.92	A	16 14	16 28					16 17	16 27
4651 N	16	58	52	E 101.69									
4652 D	17	52	32	W091.74	A/B	18 04	18 16			18 11	18 16	18 04	18 15
4652 N	18	46	06	E 074.88	B	18 16	19 15	18 20	19 12	18 16	19 15		
4653 D	19	39	46	W118.56	B/A	19 15	20 03			19 15	19 53	19 17	19 52
4653 N	20	33	20	W 048.07	B	20 03	21 02	20 08	20 59	20 03	21 02		
4654 D	21	27	00	W145.34	B/A	21 02	21 48			21 02	21 42	21 04	21 42
4654 N	22	20	34	E 021.24	B			21 55	22 46	21 50	22 49		
4655 D	23	14	14	W172.15	B	23 22	23 29			22 49	23 29	22 51	23 30
4655 N	00	07	49	W005.54	B	23 38	00 36	23 42	00 35	23 39	00 36		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 21 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4656 D	01	01	28	E 161.03	B	00 36	01 25			00 36	01 25	00 39	01 24
4656 N	01	55	03	W032.36	B	01 25	01 41	01 29	01 40	01 25	01 40		
4657 D	02	48	42	E 134.21	A	02 57	03 11						
4657 N	03	42	17	W059.17									
4658 D	04	35	56	E 107.43									
4658 N	05	29	31	W086.00									
4659 D	06	23	10	E 080.61	A	06 32	06 46					06 35	06 45
4659 N	07	16	45	W112.77	B	07 01	07 45	07 01	07 44	07 01	07 45		
4660 D	08	10	24	E 053.79	B	07 45	08 34			07 45	08 34	07 48	08 36
4660 N	09	03	59	W139.60	B	08 34	08 42			08 34	08 41		
4660 N	09	03	59	W139.60	B	09 16	09 33	08 48	09 30	08 48	09 33		
4661 D	09	57	38	E 026.98	B	09 33	10 21			09 33	10 21	09 35	10 23
4661 N	10	51	13	W166.41	B	10 21	10 29			10 21	10 28		
4661 N	10	51	13	W166.41	B	10 35	11 20	10 35	11 18	10 35	11 20		
4662 D	11	44	52	E 000.19	B	11 20	12 08			11 20	12 08	11 22	12 11
4662 N	12	38	27	E 166.76	B	12 08	12 13						
4662 N	12	38	27	E 166.76	B	12 18	13 07	12 19	13 05	12 19	13 07		
4663 D	13	32	06	W026.63	B	13 07	13 56			13 07	13 56	13 09	13 58
4663 N	14	25	41	E 139.99									
4664 D	15	19	20	W053.45	A	15 28	15 42					15 31	15 42
4664 N	16	12	55	E 113.17									
4665 D	17	06	34	W080.26	A	17 15	17 30					17 18	17 29
4665 N	18	00	09	E 086.35	B	17 30	18 29	17 34	18 27	17 30	18 29		
4666 D	18	53	49	W107.05	B/A	18 29	19 17			18 29	19 09	18 31	19 09
4666 N	19	47	23	E 059.54	B	19 17	20 16	19 22	20 14	19 17	20 16		
4667 D	20	41	03	W133.86	B/A	20 16	21 05			20 16	20 55	20 18	20 56
4667 N	21	34	37	E 032.75	B	21 05	22 03	21 09	22 01	21 05	22 03		
4668 D	22	28	17	W160.68	B	22 03	22 44			22 03	22 43	22 06	22 44
4668 N	23	21	51	E 005.94	B	22 53	23 50	22 56	23 49	22 53	23 50		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 22 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4669 D	00	15	31	E 172.50	B	23 50	00 39			23 50	00 39		
4669 N	01	09	05	W020.89	B	00 39	00 55	00 43	00 54	00 39	00 54		
4670 D	02	02	45	E 145.72	A	02 12	02 25						
4670 N	02	56	19	W047.70									
4671 D	03	49	59	E 118.90									
4671 N	04	43	33	W074.49									
4672 D	05	37	13	E 092.09	A	05 46	06 01					05 49	06 00
4672 N	06	30	47	W101.30	B	06 22	06 59	06 22	06 56	06 22	06 59		
4673 D	07	24	27	E065.26	B	06 59	07 48			06 59	07 48	07 02	07 50
4673 N	08	18	01	W128.13	B					07 48	07 55		
4673 N	08	18	01	W128.13	B	08 01	08 47	08 01	08 44	08 01	08 47		
4674 D	09	11	41	E 038.48	B	08 47	09 35			08 47	09 35	08 49	09 37
4674 N	10	05	15	W154.94	B	09 35	09 44			09 35	09 43		
4674 N	10	05	15	W154.94	B	09 50	10 34	09 50	10 32	09 50	10 34		
4675 D	10	58	55	E 011.66	B	10 34	11 23			10 34	11 23	10 36	11 25
4675 N	11	52	29	E 178.27	B	11 23	11 32			11 23	11 32		
4675 N	11	52	29	E 178.27	B	11 37	12 21	11 38	12 19	11 38	12 21		
4676 D	12	46	09	W015.15	B	12 21	13 05			12 21	13 10	12 23	13 12
4676 N	13	39	43	E 151.46	B	13 19	14 08	13 19	14 06	13 19	14 08		
4677 D	14	33	23	W041.98	B	14 08	14 57			14 08	14 57	14 11	14 56
4677 N	15	26	57	E 124.65	A	14 57	15 56	15 01	15 53				
4678 D	16	20	37	W068.75	A	15 56	16 38					15 58	16 43
4678 N	17	14	11	E 097.82	B	16 44	17 43	16 48	17 41	16 44	17 43		
4679 D	18	07	51	W095.57	B/A	17 43	18 31			17 43	18 24	17 45	18 23
4679 N	19	01	25	E 071.04	B	18 31	19 30	18 36	19 28	18 31	19 30		
4680 D	19	55	05	W122.39	B/A	19 30	20 19			19 30	20 14	19 32	20 14
4680 N	20	48	39	E 044.22	A	20 19	21 17	20 23	21 15				
4681 D	21	42	19	W149.20	A	21 17	22 02					21 17	22 01
4681 N	22	35	53	E 017.41									
4682 D	23	29	33	W175.99									
4682 N	00	23	08	W009.42	B	00 08	00 52	23 57	00 50	23 54	00 52		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 23 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4683 D	01	16	47	E 157.20	B	00 52	01 40			00 52	01 40	00 54	01 43
4683 N	02	10	22	W036.19	B	01 40	01 56	01 44	01 53	01 40	01 55		
4683 N	02	10	22	W036.19	A	01 58	02 39	01 57	02 37	01 57	02 39		
4684 D	03	04	01	E 130.37	A	02 39	03 03			02 39	03 03	02 41	03 02
4684 N	03	57	36	W063.02									
4685 D	04	51	15	E 103.56									
4685 N	05	44	50	W089.83	B	05 38	06 14	05 37	06 11	05 37	06 14		
4686 D	06	38	29	E 076.77	B	06 14	07 02			06 14	07 02	06 16	07 04
4686 N	07	32	04	W116.62	B/A	07 02	08 01	07 06	07 59	07 02	08 01		
4687 D	08	25	44	E 049.96	A	08 01	08 49			08 01	08 49	08 03	08 52
4687 N	09	19	18	W143.43	A/B	08 49	09 48	08 58	09 46	08 49	09 48		
4688 D	10	12	58	E 023.13	B	09 48	10 37			09 48	10 37	09 50	10 39
4688 N	11	06	32	W170.25	B/A	10 37	11 35	10 48	11 33	10 48	11 35		
4689 D	12	00	12	W003.68	A	11 35	12 24			11 35	12 24	11 38	12 26
4689 N	12	53	46	E 162.93	A/B	12 24	13 23	12 29	13 21	12 24	13 23		
4690 D	13	47	26	W030.47	B	13 23	14 11			13 23	14 11	13 25	14 13
4690 N	14	41	00	E 136.15	A	14 11	15 10	14 15	15 08	14 14	15 10		
4691 D	15	34	40	W057.28	A/B	15 10	15 58			15 10	15 56	15 12	15 54
4691 N	16	28	14	E 109.33	B	15 58	16 57	16 02	16 53	15 58	16 57		
4692 D	17	21	54	W084.09	B/A	16 57	17 44			16 57	17 46	16 59	17 44
4692 N	18	15	28	E 082.52	A			17 50	18 42	17 46	18 44		
4693 D	19	09	08	W110.92	A/B	19 21	19 33			18 44	19 33	18 47	19 35
4693 N	20	02	42	E 055.69	B	19 33	20 32	19 37	20 29	19 33	20 32		
4694 D	20	56	22	W137.69	B/A	20 32	21 20			20 32	21 20	20 31	21 22
4694 N	21	49	56	E 028.91	A	21 20	22 19	21 24	22 17	21 20	22 19		
4695 D	22	43	36	W164.52	A	22 19	23 02			22 19	23 01	22 15	22 59
4695 N	23	37	10	E 002.09	B	23 08	00 06	23 11	00 04	23 08	00 06		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 24 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4696 D	00	30	50	E 168.67	B	00 06	00 55			00 06	00 55	00 05	00 47
4696 N	01	24	24	W024.72	B	00 55	01 10			00 55	01 01		
4697 D	02	18	04	E 141.84									
4697 N	03	11	38	W051.55	A	02 42	03 41	02 46	03 38	02 42	03 41		
4698 D	04	05	18	E 115.07	A	03 41	04 29			03 41	04 29	03 43	04 31
4698 N	04	58	52	W078.32	A	04 29	04 43	04 33	04 41	04 29	04 41		
4698 N	04	58	52	W078.32	B	04 49	05 28	04 49	05 26	04 49	05 28		
4699 D	05	52	32	E 088.24	B	05 28	06 16			05 28	06 16	05 30	06 19
4699 N	06	46	06	W105.14	B/A	06 16	07 15	06 20	07 12	06 16	07 15		
4700 D	07	39	46	E 061.43	A	07 15	08 04			07 15	08 04	07 17	08 06
4700 N	08	33	20	W131.96	A/B	08 04	09 02	08 11	09 00	08 04	09 02		
4701 D	09	27	00	E 034.60	B	09 02	09 51			09 02	09 51	09 02	09 53
4701 N	10	20	34	W158.77	B/A	09 51	10 50	09 58	10 48	09 51	10 50		
4702 D	11	14	14	E 007.83	A	10 50	11 38			10 50	11 38	10 52	11 40
4702 N	12	07	48	E 174.44	A/B	11 38	12 37	11 43	12 34	11 38	12 37		
4703 D	13	01	28	W019.00	B	12 37	13 25			12 37	13 25	12 39	13 28
4703 N	13	55	02	E 147.63	B/A	13 25	14 24	13 29	14 21	13 28	14 24		
4704 D	14	48	42	W045.81	A	14 24	15 13			14 24	15 13	14 26	15 15
4704 N	15	42	16	E 120.80	B	15 13	16 11	15 16	16 09	15 13	16 11		
4705 D	16	35	56	W072.62	B	16 11	17 00			16 11	16 56	16 14	16 55
4705 N	17	29	30	E 093.99	A	17 00	17 58	17 04	17 56	17 00	17 58		
4706 D	18	23	10	W099.41	A/B	17 58	18 47			17 58	18 47	18 01	18 49
4706 N	19	16	44	E 067.20	B	18 47	19 46	18 51	19 43	18 47	19 46		
4707 D	20	10	24	W126.22	B/A	19 46	20 34			19 46	20 34	19 48	20 37
4707 N	21	03	58	E 040.39	A	20 34	21 33	20 38	21 30	20 34	21 33		
4708 D	21	57	38	W153.05	A	21 33	22 12			21 33	22 15	21 35	22 13
4708 N	22	51	12	E 013.56									
4709 D	23	44	52	W179.82									
4709 N	00	38	27	W013.25									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 25 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4710 D	01	32	07	E 153.35	A					01 28	01 56	01 31	01 58
4710 N	02	25	41	W040.04	A			02 00	02 53	01 56	02 55		
4711 D	03	19	21	E 126.54	A					02 55	03 30	02 57	03 28
4711 N	04	12	55	W066.85									
4712 D	05	06	35	E 099.71									
4712 N	06	00	09	W093.66	B/A			05 43	06 27	05 43	06 29		
4713 D	06	53	49	E 072.94	B					06 29	07 18	06 28	07 20
4713 N	07	47	23	W120.49	A/B			07 21	08 14	07 18	08 16		
4714 D	08	41	03	E 046.11	B					08 16	09 05	08 15	09 07
4714 N	09	34	37	W147.27	B					09 05	09 10		
4714 N	09	34	37	W147.27	B			09 16	10 01	09 16	10 04		
4715 D	10	28	17	E 019.30	B					10 04	10 52	10 03	10 51
4715 N	11	21	51	W174.09	B/A			10 57	11 48	10 52	11 51		
4716 D	12	15	31	W007.52	A					11 51	12 39	11 50	12 42
4716 N	13	09	05	E 159.10	A/B			12 46	13 36	12 39	13 38		
4717 D	14	02	45	W034.30	B					13 38	14 27	13 40	14 29
4717 N	14	56	19	E 132.27	A			14 30	15 23	14 28	15 25		
4718 D	15	49	59	W061.11	A					15 25	16 12	15 28	16 13
4718 N	16	43	33	E 105.50	A/B			16 18	17 10	16 14	17 13		
4719 D	17	37	13	W087.94	B/A			17 43	17 51	17 13	17 58	17 12	17 43
4719 N	18	30	47	E 078.67	A			18 05	18 58	18 04	19 00		
4720 D	19	24	27	W114.75	A/B					19 00	19 48	19 02	19 51
4720 N	20	18	01	E 051.86	B			19 52	20 44	19 48	20 47		
4721 D	21	11	41	W141.54	B/A					20 47	21 36	20 46	21 38
4721 N	22	05	15	E 025.07	A			21 40	22 31	21 36	22 34		
4722 D	22	58	55	W168.35	A					22 34	23 14	22 37	23 15
4722 N	23	52	29	W001.74									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 26 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4723 D	00	46	09	E 164.82									
4723 N	01	39	43	W028.56	A			01 26	02 07	01 26	02 09		
4724 D	02	33	23	E 138.01	A					02 09	02 57	02 08	03 00
4724 N	03	26	57	W055.38	A			03 01	03 28	02 57	03 29		
4725 D	04	20	37	E 111.22									
4725 N	05	14	11	W082.16	B/A			04 59	05 41	04 59	05 43		
4726 D	06	07	51	E 084.41	B/A					05 43	06 32	05 46	06 34
4726 N	07	01	25	W108.98	B/A			06 36	07 27	06 32	07 31		
4727 D	07	55	05	E 057.59	A					07 31	08 19	07 33	08 21
4727 N	08	48	39	W135.79	A					08 19	08 25		
4727 N	08	48	39	W135.79	A			08 30	09 15	08 30	09 18		
4728 D	09	42	19	E 030.77	A					09 18	10 06	09 17	10 09
4728 N	10	35	53	W162.62	A/B			10 13	11 03	10 06	11 05		
4729 D	11	29	33	E 004.00	B					11 05	11 54	11 04	11 56
4729 N	12	23	07	E 170.60	A			11 58	12 48	12 06	12 52		
4730 D	13	16	47	W022.83	A					12 52	13 41	12 51	13 43
4730 N	14	10	21	E 143.78	B			13 44	14 37	13 44	14 40		
4731 D	15	04	01	W049.64	B					14 40	15 26	14 38	15 27
4731 N	15	57	35	E 116.97	A			15 32	16 25	15 28	16 27		
4732 D	16	51	16	W076.46	A					16 27	17 11	16 29	17 07
4732 N	17	44	49	E 090.14	B			17 19	18 11	17 15	18 14		
4733 D	18	38	30	W103.24	B/A					18 14	19 03	18 16	19 05
4733 N	19	32	03	E 063.37	A			19 06	19 59	19 03	20 01		
4734 D	20	25	44	W130.07	A/B					20 01	20 50	20 00	20 42
4734 N	21	19	17	E 036.55	B			20 54	21 46	20 50	21 49		
4735 D	22	12	58	W156.88	B					21 49	22 28	21 48	22 29
4735 N	23	06	31	E 009.73	B			22 41	23 33	22 38	23 36		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 27 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4736 D	00	00	12	E 176.30	B					23 36	00 24	23 35	00 27
4736 N	00	53	45	W017.08	B			00 28	00 38	00 24	00 39		
4736 N	00	53	45	W017.08	A			00 42	01 21	00 42	01 23		
4737 D	01	47	26	E 149.52	A					01 23	02 12	01 25	02 14
4737 N	02	41	00	W043.87	A			02 15	02 43	02 12	02 43		
4738 D	03	34	40	E 122.70									
4738 N	04	28	14	W070.69	B	04 38	04 57	04 24	04 55	04 24	04 57		
4739 D	05	21	54	E 095.88	B	04 57	05 46			04 57	05 46	04 56	05 48
4739 N	06	15	28	W097.51	B	05 46	05 59	05 50	05 59	05 46	05 59		
4739 N	06	15	28	W097.51	B	06 04	06 45	06 05	06 42	06 05	06 45		
4740 D	07	09	08	E 069.06	B	06 45	07 33			06 45	07 33	06 44	07 36
4740 N	08	02	42	W124.32	B/A	07 33	08 32	07 41	08 29	07 33	08 32		
4741 D	08	56	22	E 042.28	A	08 32	09 21			08 32	09 21	08 31	09 23
4741 N	09	49	56	W151.11	A/B	09 21	10 19	09 27	10 16	09 21	10 19		
4742 D	10	43	36	E 015.47	B	10 19	11 08			10 19	11 08	10 22	11 10
4742 N	11	37	10	W177.92	B/A	11 08	12 06	11 19	12 04	11 08	12 06		
4743 D	12	30	50	W011.35	A	12 06	12 30			12 06	12 55	12 05	12 57
4743 D	12	30	50	W011.35	B	12 50	12 55						
4743 N	13	24	24	E155.25	B	12 55	13 54	13 00	13 51	13 00	13 54		
4744 D	14	18	04	W038.17	B	13 54	14 42			13 54	14 41	13 53	14 41
4744 N	15	11	38	E 128.44	A	14 42	15 41	14 46	15 39				
4745 D	16	05	18	W064.96	A/B	15 41	16 30					15 40	16 25
4745 N	16	58	52	E 101.65	B	16 30	17 28	16 33	17 26	16 30	17 28		
4746 D	17	52	32	W091.77	B/A	17 28	18 17			17 28	18 17	17 27	18 19
4746 N	18	46	06	E 074.84	A	18 17	19 15	18 20	19 12	18 17	19 15		
4747 D	19	39	46	W118.59	A/B	19 15	20 04			19 15	20 04	19 14	20 03
4747 N	20	33	20	E 048.02	B	20 04	21 03	20 07	21 00	20 04	21 03		
4748 D	21	27	00	W145.40	B/A	21 03	21 51			21 03	21 44	21 02	21 54
4748 N	22	20	34	E 021.20	A	21 51	22 50	21 55	22 47	22 01	22 50		
4749 D	23	14	14	W172.19	A/B	22 50	23 38			22 50	23 32	22 49	23 30
4749 N	00	07	48	W005.58	B	23 38	00 37	23 42	00 35	23 39	00 37		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 28 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4750 D	01	01	28	E 160.99	B	00 37	01 26			00 37	01 26	00 36	01 25
4750 N	01	55	02	W032.40	B	01 26	01 40	01 29	01 40	01 26	01 40		
4751 D	02	48	42	E 134.17	A	03 00	03 13						
4751 N	03	42	16	W059.21	A	03 13	04 12	03 16	04 09	03 13	04 12		
4752 D	04	35	56	E 107.36	A	04 12	05 00			04 12	05 00	04 11	05 03
4752 N	05	29	30	W086.04	A	05 00	05 11	05 04	05 11	05 00	05 11		
4752 N	05	29	30	W086.04	B	05 20	05 59	05 20	05 56	05 20	05 59		
4753 D	06	23	10	E 080.57	B	05 59	06 47			05 59	06 47	05 58	06 50
4753 N	07	16	44	W112.82	B/A	06 47	07 46	06 51	07 42	06 47	07 46		
4754 D	08	10	25	E 053.76	A	07 46	08 35			07 46	08 35	07 45	08 33
4754 N	09	03	58	W139.64	A/B	08 35	09 33	08 42	09 31	08 42	09 33		
4755 D	09	57	39	E 026.94	B	09 33	10 22			09 33	10 22	09 32	10 24
4755 N	10	51	12	W166.45	B/A	10 22	11 21	10 27	11 18	10 22	11 21		
4756 D	11	44	53	E 000.12	A	11 21	12 09			11 21	12 09	11 19	12 11
4756 N	12	38	26	E 166.76	B	12 09	13 08	12 13	13 05	12 13	13 08		
4757 D	13	32	07	W026.66	B	13 08	13 56			13 08	13 56	13 07	13 59
4757 N	14	25	40	E 139.95	A	13 56	14 55	14 00	14 53	13 59	14 55		
4758 D	15	19	21	W053.48	A	14 55	15 44			14 55	15 44	14 57	15 46
4758 N	16	12	54	E 113.13	B	15 44	16 42	15 47	16 39	15 47	16 42		
4759 D	17	06	35	W080.30	B/A	16 42	17 31			16 42	17 31	16 41	17 33
4759 N	18	00	08	E 086.31	A	17 31	18 30	17 34	18 27	17 31	18 30		
4760 D	18	53	49	W107.12	A/B	18 30	19 18			18 30	19 18	18 28	19 20
4760 N	19	47	22	E 059.53	B	19 18	20 17	19 21	20 14	19 18	20 17		
4761 D	20	41	03	W133.90	B/A	20 17	21 05			20 17	21 05	20 16	21 08
4761 N	21	34	36	E 032.71	A	21 05	22 04	21 09	22 02	21 05	22 04		
4762 D	22	28	17	W160.72	A	22 04	22 44			22 04	22 43	22 03	22 41
4762 D	22	28	17	W160.72	B	22 50	22 53						
4762 N	23	21	50	E 005.89	B	22 53	23 51	22 56	23 47	22 53	23 51		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 29 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4763 D	00	15	31	E 172.47	B	23 51	00 40			23 51	00 40	23 50	00 42
4763 N	01	09	04	W020.93	B	00 40	00 55	00 43	00 51	00 40	00 54		
4763 N	01	09	04	W020.93	A	00 57	01 39	00 57	01 39	00 57	01 39		
4764 D	02	02	45	E 145.68	A	01 39	02 27			01 39	02 27	01 37	02 29
4764 N	02	56	18	W047.71	A	02 27	02 59	02 30	02 59	02 27	02 59		
4765 D	03	49	59	E 118.87									
4765 N	04	43	33	W074.53									
4766 D	05	37	13	E 092.05	B	05 49	06 02					05 12	06 03
4766 N	06	30	47	W101.34	B	06 02	06 15						
4766 N	06	30	47	W101.34	B	06 20	07 00	06 20	06 58	06 20	07 00		
4767 D	07	24	27	E 065.23	B	07 00	07 49			07 00	07 49	06 59	07 51
4767 N	08	18	01	W128.17	B/A	07 49	08 48	07 55	08 43	07 49	08 48		
4768 D	09	11	41	E 038.45	A	08 48	09 36			08 48	09 36	08 46	09 38
4768 N	10	05	15	W154.95	A/B	09 36	10 35	09 41	10 32	09 36	10 35		
4769 D	10	58	55	E 011.63	B	10 35	11 23			10 35	11 23	10 34	11 26
4769 N	11	52	29	E 178.24	B/A	11 23	12 22	11 30	12 19	11 23	12 22		
4770 D	12	46	09	W015.19	A	12 22	13 11			12 22	13 11	12 21	13 13
4770 N	13	39	43	E 151.42	A/B	13 11	14 09	13 16	14 06	13 11	14 09		
4771 D	14	33	23	W042.01	B	14 09	14 58			14 09	14 57	14 08	14 56
4771 N	15	26	57	E124.60	A	14 58	15 56	15 01	15 54	14 58	15 57		
4772 D	16	20	37	W068.79	A/B	15 56	16 45			15 57	16 39	15 55	16 40
4772 N	17	14	11	E 097.82	B	16 45	17 44	16 48	17 41	16 45	17 44		
4773 D	18	07	51	W095.61	B/A	17 44	18 25			17 44	18 32	17 43	18 35
4773 N	19	01	25	E 071.00	A	18 32	19 31	18 35	19 27	18 32	19 31		
4774 D	19	55	05	W122.42	A/B	19 31	20 20			19 31	20 10	19 30	20 22
4774 N	20	48	39	E 044.18	B	20 20	21 18	20 23	21 12	20 20	21 18		
4775 D	21	42	19	W149.25	B	21 18	22 00			21 18	21 59	21 17	21 59
4775 N	22	35	53	E 017.37	A	22 08	23 05	22 10	22 56	22 08	23 05		
4776 D	23	29	34	W176.03	A	23 05	23 54			23 05	23 54	23 04	23 56
4776 N	00	23	07	W009.42	A	23 54	00 10	23 57	00 09	23 54	00 10		
4776 N	00	23	07	W009.42	B	00 10	00 53	00 12	00 49	00 12	00 53		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 30 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4777 D	01	16	48	E 157.15	B	00 53	01 41			00 53	01 41	00 52	01 44
4777 N	02	10	21	W036.24	B	01 41	02 40	01 44	02 02	01 41	02 02		
4778 D	03	04	02	E 130.34									
4778 N	03	57	35	W063.06									
4779 D	04	51	16	E 103.53									
4779 N	05	44	49	W089.87	B	05 36	06 14	05 36	06 11	05 36	06 14		
4780 D	06	38	30	E 076.74	B	06 14	07 03			06 14	07 03	06 13	07 05
4780 N	07	32	03	W116.65	B/A	07 03	08 02	07 06	07 57	07 03	08 02		
4781 D	08	25	44	E 049.92	A	08 02	08 50			08 02	08 50	08 01	08 53
4781 N	09	19	17	W143.47	B	08 58	09 49	08 58	09 46	08 58	09 49		
4782 D	10	12	58	E 023.10	B	09 49	10 38			09 49	10 38	09 48	10 40
4782 N	11	06	31	W170.29	B/A	10 38	11 36	10 42	11 34	10 42	11 24		
4783 D	12	00	12	W003.71	A	11 36	12 25					11 35	12 27
4783 N	12	53	45	E 162.89	A/B	12 25	13 23	12 28	13 20	12 28	13 23		
4784 D	13	47	26	W030.50	B	13 23	14 12			13 23	14 12	13 22	14 11
4784 N	14	40	59	E 136.11	A	14 12	15 11	14 15	15 08	14 14	15 11		
4785 D	15	34	40	W057.31	A	15 11	15 59			15 11	15 56	15 09	15 54
4785 N	16	28	13	E 109.29	B	15 59	16 58	16 02	16 55	15 59	16 58		
4786 D	17	21	54	W084.14	B	16 58	17 47			16 58	17 45	16 57	17 45
4786 N	18	15	27	E 082.47	A	17 47	18 45	17 50	18 42	17 47	18 45		
4787 D	19	09	08	W110.95	A/B	18 45	19 34			18 45	19 34	18 44	19 36
4787 N	20	02	41	E 055.65	B	19 34	20 32	19 37	20 28	19 34	20 32		
4788 D	20	56	22	W137.74	B/A	20 32	21 21			20 32	21 21	20 31	21 23
4788 N	21	49	55	E 028.87	A	21 21	22 20	21 24	22 17	21 21	22 20		
4789 D	22	43	36	W164.55	A	22 20	23 00			22 20	23 00	22 19	23 00
4789 N	23	37	09	E 002.05	A	23 09	00 07	23 11	23 16	23 08	00 07		
4789 N	23	37	09	E002.05	A			23 21	00 04				

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 31 MARCH 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4790 D	00	30	50	E 168.62	A	00 07	00 55			00 07	00 55	00 06	00 58
4790 N	01	24	23	W024.76	A	00 55	01 11	00 59	01 10	00 55	01 11		
4791 D	02	18	04	E 141.81	B	02 40	02 43						
4791 N	03	11	37	W051.55	B	02 43	03 41	02 46	03 37	02 43	03 41		
4792 D	04	05	18	E 115.04	B	03 41	04 30			03 41	04 30	03 40	04 32
4792 N	04	58	51	W078.36	B	04 30	04 40	04 33	04 40	04 30	04 40		
4792 N	04	58	51	W078.36	B	04 55	05 29	04 50	05 24	04 50	05 29		
4793 D	05	52	32	E 088.21	B	05 29	06 17			05 29	06 17	05 27	06 19
4793 N	06	46	05	W105.17	B	06 17	06 33	06 20	06 26	06 17	06 33		
4793 N	06	46	05	W105.17	A	06 34	07 16	06 34	07 13	06 34	07 16		
4794 D	07	39	46	E 061.40	A	07 16	08 04			07 16	08 04	07 15	08 07
4794 N	08	33	20	W132.00	A/B	08 04	09 03	08 11	09 00	08 04	09 03		
4795 D	09	27	00	E 034.57	B	09 03	09 52			09 03	09 52	09 02	09 54
4795 N	10	20	34	W158.78	B/A	09 52	10 50	09 56	10 47	09 52	10 50		
4796 D	11	14	14	E 007.80	A	10 50	11 39			10 50	11 39	10 49	11 41
4796 N	12	07	48	E 174.40	A/B	11 39	12 38	11 43	12 34	11 43	12 38		
4797 D	13	01	28	W019.03	B	12 38	13 26			12 38	13 26	12 36	13 25
4797 N	13	55	02	E 147.59	B	13 26	13 29	13 29	14 22	13 29	14 25		
4798 D	14	48	42	W045.84	A	14 30	15 13			14 25	15 13	14 24	15 12
4798 N	15	42	16	E 120.76	B	15 13	16 12	15 16	16 09	15 13	16 12		
4799 D	16	35	57	W072.66	B/A	16 12	17 01			16 12	17 01	16 11	17 03
4799 N	17	29	30	E 093.98	A	17 01	17 59	17 04	17 56	17 01	17 59		
4800 D	18	23	11	W099.44	A/B	17 59	18 48			17 59	18 48	17 58	18 50
4800 N	19	16	44	E 067.16	B	18 48	19 47	18 51	19 44	18 48	19 47		
4801 D	20	10	25	W126.27	B/A	19 47	20 35			19 47	20 35	19 45	20 37
4801 N	21	03	58	E 040.35	A	20 35	21 34	20 38	21 31	20 35	21 34		
4802 D	21	57	39	W153.08	A	21 34	22 14			21 34	22 12	21 33	22 14
4802 N	22	51	12	E 013.52	A	22 23	23 21	22 25	23 13	22 22	23 21		
4803 D	23	44	53	W179.89	A	23 21	00 10			23 21	00 10	23 20	00 12
4803 N	00	38	26	W013.25	A	00 10	00 23	00 13	00 23	00 10	00 23		
4803 N	00	38	26	W013.25	B	00 23	01 08	00 27	01 05	00 27	01 08		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 1 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4804 D	01	32	07	E 153.32	B	01 08	01 57			01 08	01 57	01 07	01 59
4804 N	02	25	40	W040.07	B	01 57	02 27	02 00	02 27	01 57	02 28		
4805 D	03	19	21	E 126.51									
4805 N	04	12	54	W066.89	B	04 07	04 43	04 07	04 38	04 07	04 43		
4806 D	05	06	35	E 099.68	B	04 43	05 31			04 43	05 31	04 42	05 34
4806 N	06	00	08	W093.70	B	05 31	05 49	05 34	05 43	05 31	05 48		
4806 N	06	00	08	W093.70	B	05 55	06 30	05 55	06 27	05 55	06 30		
4807 D	06	53	49	E 072.87	B	06 30	07 19			06 30	07 19	06 29	07 21
4807 N	07	47	22	W120.49	B/A	07 19	08 17	07 21	08 14	07 19	08 17		
4808 D	08	41	03	E 046.08	A	08 17	09 06			08 17	09 06	08 16	09 08
4808 N	09	34	36	W147.31	A/B	09 06	10 05	09 12	10 01	09 12	10 05		
4809 D	10	28	17	E 019.27	B	10 05	10 53			10 05	10 53	10 03	10 55
4809 N	11	21	50	W174.13	B/A	10 53	11 52	10 58	11 48	10 58	11 52		
4810 D	12	15	31	W007.55	A	11 52	12 40			11 52	12 40	11 51	12 43
4810 N	13	09	04	E 159.06	A/B	12 40	13 39	12 44	13 36	12 44	13 39		
4811 D	14	02	45	W034.37	B	13 39	14 28			13 39	14 25	13 38	14 23
4811 N	14	56	18	E 132.27	A	14 28	15 26	14 30	15 23	14 28	15 26		
4812 D	15	49	59	W061.16	A	15 26	16 15			15 26	16 11	15 25	16 10
4812 N	16	43	32	E 105.46	B	16 15	17 13	16 18	17 10	16 15	17 13		
4813 D	17	37	13	W087.97	B/A	17 13	18 02			17 13	17 56	17 12	17 57
4813 N	18	30	46	E 078.63	A	18 02	19 01	18 05	18 57	18 02	19 01		
4814 D	19	24	27	W114.79	A/B	19 01	19 49			19 01	19 49	18 59	19 41
4814 N	20	18	00	E 051.82	B	19 49	20 48	19 52	20 44	19 49	20 48		
4815 D	21	11	41	W141.57	B/A	20 48	21 37			20 48	21 37	20 47	21 39
4815 N	22	05	14	E 025.04	A	21 37	22 35	21 39	22 32	21 37	22 35		
4816 D	22	58	55	W168.38	A	22 35	23 16			22 35	23 16	22 34	23 16
4816 N	23	52	28	W001.78	A	23 24	00 22	23 27	00 19	23 24	00 22		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 2 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4817 D	00	46	09	E 164.79	A	00 22	01 11			00 22	01 11	00 21	01 13
4817 N	01	39	42	W028.60	A	01 11	01 27	01 14	01 26	01 11	01 26		
4818 D	02	33	23	E 137.98	B	02 50	02 58						
4818 N	03	26	56	W055.42	B	02 58	03 57	03 01	03 53	02 58	03 57		
4819 D	04	20	37	E 111.19	B	03 57	04 46			03 57	04 46	03 56	04 48
4819 N	05	14	10	W082.20	B	04 46	04 57			04 46	04 53		
4819 N	05	14	10	W082.20	B	05 05	05 44	05 05	05 39	05 05	05 44		
4820 D	06	07	51	E 084.38	B	05 44	06 33			05 44	06 33	05 43	06 35
4820 N	07	01	24	W109.02	B	06 33	06 44	06 36	06 45	06 33	06 43		
4820 N	07	01	24	W109.02	A	06 44	07 31	06 47	07 28	16 47	07 31		
4821 D	07	55	05	E 057.55	A	07 31	08 20			07 31	08 20	07 30	08 22
4821 N	08	48	38	W135.83	A/B	08 20	09 19	08 27	09 13	08 20	09 19		
4822 D	09	42	19	E 030.74	B	09 19	10 07			09 19	10 07	09 17	10 09
4822 N	10	35	52	W162.62	B/A	10 07	11 06	10 13	11 02	10 07	11 06		
4823 D	11	29	34	E 003.95	A	11 06	11 54			11 06	11 54	11 05	11 57
4823 N	12	23	06	E 170.56	A/B	11 54	12 53	12 00	12 50	11 54	12 53		
4824 D	13	16	48	W022.86	B	12 53	13 42			12 53	13 42	12 52	13 40
4824 N	14	10	20	E 143.74	A	13 42	14 40	13 44	14 36	14 26	14 40		
4825 D	15	04	01	W049.68	A	14 40	15 19			14 40	15 27	14 39	15 28
4825 N	15	57	35	E 116.93	B	15 29	16 28	15 32	16 25	15 29	16 28		
4826 D	16	51	16	W076.50	B	16 28	17 09			16 28	17 05	16 26	17 08
4826 D	16	51	16	W076.50	A	17 10	17 16			17 10	17 16	17 11	17 18
4826 N	17	44	49	E 090.15	A	17 16	18 15	17 19	18 12	17 16	18 15		
4827 D	18	38	30	W103.27	A/B	18 15	19 03			18 15	19 03	18 14	18 55
4827 N	19	32	03	E 063.33	B	19 03	20 02	19 06	19 59	19 03	20 02		
4828 D	20	25	44	W130.10	B/A	20 02	20 51			20 02	20 51	20 01	20 53
4828 N	21	19	17	E 036.51	A	20 51	21 49	20 53	21 46	20 51	21 49		
4829 D	22	12	58	W156.91	A	21 49	22 27			21 49	22 26	21 48	22 26
4829 N	23	06	31	E 009.69	A	22 38	23 37	22 41	23 33	22 38	23 37		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 3 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4830 D	00	00	12	E 176.27	A	23 37	00 25			23 37	00 25	23 35	00 27
4830 N	00	53	45	W017.09	A	00 25	00 40	00 28	00 38	00 25	00 38		
4830 N	00	53	45	W017.09	B	00 40	01 24	00 42	01 20	00 42	01 24		
4831 D	01	47	26	E 149.49	B	01 24	02 12			01 24	02 12	01 23	02 15
4831 N	02	40	59	W043.91	B	02 12	02 43	02 15	02 42	02 12	02 43		
4832 D	03	34	40	E 122.66									
4832 N	04	28	13	W070.73	B	04 21	04 58	04 22	04 54	04 22	04 58		
4833 D	05	21	54	E 095.85	B	04 58	05 47			04 58	05 47	04 57	05 49
4833 N	06	15	27	W097.55	B	05 47	05 58	05 50	05 56	05 47	05 57		
4833 N	06	15	27	W097.55	B	06 04	06 46	06 05	06 42	06 05	06 46		
4834 D	07	09	08	E 069.03	B	06 46	07 34			06 46	07 34	06 44	07 33
4834 N	08	02	41	W124.33	B/A	07 34	08 33	07 41	08 28	07 34	08 33		
4835 D	08	56	22	E 042.25	A	08 33	09 21			08 33	09 21	08 32	09 24
4835 N	09	49	55	W151.15	A/B	09 21	10 20	09 26	10 17	09 26	10 20		
4836 D	10	43	36	E 015.43	B	10 20	11 09			10 20	11 09	10 19	11 11
4836 N	11	37	09	W177.96	A	11 09	12 07	11 13	12 04	11 13	12 07		
4837 D	12	30	50	W011.39	A	12 07	12 56			12 07	12 56	12 06	12 58
4837 N	13	24	23	E 155.22	B	12 56	13 55	12 59	13 51	12 59	13 55		
4838 D	14	18	04	W038.21	B	13 55	14 43			13 55	14 42	13 53	14 41
4838 N	15	11	37	E 128.43	A	14 43	15 42	14 46	15 36	14 44	15 42		
4839 D	16	05	18	W064.99	A/B	15 42	16 30			15 42	16 25	15 41	16 26
4839 N	16	58	51	E 101.62	B	16 30	17 29	16 33	17 26	16 30	17 29		
4840 D	17	52	32	W091.80	B/A	17 29	18 18			17 29	18 18	17 28	18 20
4840 N	18	46	05	E 074.80	A	18 18	19 16	18 20	19 13	18 18	19 16		
4841 D	19	39	46	W118.63	A	19 16	19 50			19 16	19 53	19 19	19 53
4841 D	19	39	46	W118.63	B	19 50	20 05			19 55	20 05	20 02	20 07
4841 N	20	33	19	E 047.98	B	20 05	21 04	20 07	21 00	20 05	21 04		
4842 D	21	27	00	W145.44	B/A	21 04	21 52			21 04	21 52	21 02	21 54
4842 N	22	20	33	E 021.19	A	21 52	22 51	21 55	22 47	21 52	22 51		
4843 D	23	14	14	W172.23	A	22 51	23 31			22 51	23 31	22 50	23 31
4843 N	00	07	47	W005.62	A	23 39	00 38	23 42	00 35	23 39	00 38		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 4 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4844 D	01	01	28	E 160.96	A	00 38	01 27			00 38	01 27	00 37	01 29
4844 N	01	55	01	W032.44	A	01 27	01 41	01 29	01 40	01 27	01 41		
4845 D	02	48	42	E 134.14	B					03 09	03 14		
4845 N	03	42	15	W059.26	B	03 30	04 12	03 16	04 09	03 14	04 12		
4846 D	04	35	56	E 107.32	B	04 12	05 01			04 12	05 01	04 11	05 03
4846 N	05	29	29	W086.04	B	05 01	05 10	05 04	05 09	05 01	05 10		
4846 N	05	29	29	W086.04	B	05 20	06 00	05 20	05 56	05 20	06 00		
4847 D	06	23	11	E 080.54	B	06 00	06 48			06 00	06 48	05 59	06 51
4847 N	07	16	43	W112.86	B/A	06 48	07 47	06 50	07 44	06 48	07 47		
4848 D	08	10	25	E 053.72	A	07 47	08 36			07 47	08 36	07 46	08 38
4848 N	09	03	57	W139.67	A/B	08 36	09 34	08 41	09 31	08 41	09 34		
4849 D	09	57	39	E 026.90	B	09 34	10 23			09 34	10 23	09 33	10 25
4849 N	10	51	11	W166.49	B/A	10 23	11 21	10 27	11 18	10 27	11 21		
4850 D	11	44	53	E 000.09	A	11 21	12 10			11 21	12 10	11 20	12 12
4850 N	12	38	25	E 166.73	B	12 10	13 09	12 14	13 05	12 14	13 09		
4851 D	13	32	07	W026.69	B	13 09	13 57			13 09	13 57	13 07	13 59
4851 N	14	25	39	E 139.90	A	13 57	14 56	14 00	14 52	13 59	14 56		
4852 D	15	19	21	W053.52	A/B	14 56	15 45			14 56	15 40	14 58	15 40
4852 N	16	12	53	E 113.09	B	15 45	16 43	15 47	16 39	15 44	16 43		
4853 D	17	06	35	W080.33	B	16 43	17 25			16 43	17 23	16 42	17 24
4853 D	17	06	35	W080.33	A	17 25	17 32			17 27	17 32	17 27	17 34
4853 N	18	00	07	E 086.30	A	17 32	18 30	17 34	18 26	17 32	18 30		
4854 D	18	53	49	W107.15	A/B	18 30	19 19			18 30	19 19	18 29	19 21
4854 N	19	47	21	E 059.49	B	19 19	20 18	19 21	20 14	19 19	20 18		
4855 D	20	41	03	W133.93	B/A	20 18	21 06			20 18	21 06	20 16	21 08
4855 N	21	34	35	E 032.67	A	21 06	22 05	21 09	22 01	21 06	22 05		
4856 D	22	28	17	W160.75	A	22 05	22 45			22 05	22 43	22 04	22 45
4856 N	23	21	50	E 005.85	A	22 53	23 52	22 56	23 49	22 53	23 52		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 5 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4857 D	00	15	31	E 172.43	A	23 52	00 41			23 52	00 41	23 51	00 43
4857 N	01	09	04	W020.94	A	00 41	00 55	00 43	00 54	00 41	00 54		
4857 N	01	09	04	W020.94	B	01 10	01 39	00 57	01 36	00 57	01 39		
4858 D	02	02	45	E 145.64	B	01 39	02 28			01 39	02 28	01 38	02 30
4858 N	02	56	18	W047.75	B	02 28	02 59	02 30	02 57	02 28	02 58		
4859 D	03	49	59	E 118.83									
4859 N	04	43	32	W074.56	B	04 30	05 14	04 36	05 10	04 36	05 14		
4860 D	05	37	13	E 092.01	B	05 14	06 02			05 14	06 02	05 13	06 05
4860 N	06	30	46	W101.39	B	06 02	06 15	06 05	06 14	06 02	06 14		
4860 N	06	30	46	W101.39	B	06 20	07 01	06 21	06 58	06 21	07 01		
4861 D	07	24	27	E 065.20	B	07 01	07 49			07 01	07 50	07 00	07 52
4861 N	08	18	00	W128.16	B/A	07 56	08 48	07 55	08 45	07 50	08 48		
4862 D	09	11	41	E 038.41	A	08 48	09 37			08 48	09 37	08 47	09 39
4862 N	10	05	14	W154.99	A/B	09 37	10 36	09 43	10 32	09 43	10 36		
4863 D	10	58	55	E 011.59	B	10 36	11 24			10 36	11 24	10 34	11 26
4863 N	11	52	28	E 178.20	B/A	11 24	12 23	11 29	12 19	11 29	12 23		
4864 D	12	46	09	W015.22	A	12 23	13 11			12 23	13 11	12 22	13 14
4864 N	13	39	42	E 151.38	B	13 11	14 10	13 14	14 06	13 14	14 10		
4865 D	14	33	23	W042.04	B	14 10	14 57			14 10	14 58	14 09	14 57
4865 N	15	26	56	E 124.60	A	14 59	15 57	15 01	15 53	14 59	15 57		
4866 D	16	20	37	W068.82	A/B	15 57	16 46			15 57	16 46	15 56	16 41
4866 N	17	14	10	E 097.77	B	16 46	17 45	16 48	17 38	16 46	17 45		
4867 D	18	07	51	W095.64	B/A	17 45	18 33			17 45	18 33	17 43	18 35
4867 N	19	01	24	E 070.96	A	18 33	19 32	18 36	19 28	18 33	19 32		
4868 D	19	55	05	W122.46	A	19 32	20 11			19 32	20 20	19 31	20 22
4868 N	20	48	38	E 044.14	B			20 23	21 16	20 20	21 19		
4869 D	21	42	19	W149.28	B	21 43	21 58			21 19	21 57	21 18	22 00
4869 N	22	35	52	E 017.36									
4870 D	23	29	33	W176.06									
4870 N	00	23	06	W009.47	A	23 55	00 54	23 57	00 49	23 55	00 53		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 6 APRIL 1971

[illegible]

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 7 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4884 D	00	30	50	E 168.59	A	00 08	00 56			00 08	00 56	00 07	00 55
4884 N	01	24	22	W024.77	A	00 56	01 10	00 58	01 09	00 56	01 10		
4885 D	02	18	04	E 141.78									
4885 N	03	11	36	W051.58	B			02 46	03 38	02 43	03 42		
4886 D	04	05	18	E 114.99	B					03 42	04 31	03 41	04 33
4886 N	04	58	50	W078.41	B	04 33	04 40	04 33	04 41	04 31	04 41		
4886 N	04	58	50	W078.41	B	04 51	05 29	04 51	05 25	04 51	05 29		
4887 D	05	52	32	E 088.18	B	05 29	06 18			05 29	06 18	05 28	06 20
4887 N	06	46	05	W105.22	B/A	06 18	07 17	06 20	07 13	06 18	07 17		
4888 D	07	39	46	E 061.36	A	07 17	08 05			07 17	08 05	07 15	08 07
4888 N	08	33	19	W132.01	A/B	08 05	09 04	08 12	08 55	08 05	09 04		
4889 D	09	27	00	E 034.54	B	09 04	09 23			09 04	09 52	09 03	09 51
4889 N	10	20	33	W158.82	A	09 57	10 51	09 57	10 47	09 57	10 51		
4890 D	11	14	14	E 007.76	A	10 51	11 40			10 51	11 40	10 50	11 42
4890 N	12	07	47	E 174.35	A/B	11 40	12 38	11 43	12 34	11 43	12 38		
4891 D	13	01	28	W019.06	B	12 38	13 27			12 38	13 27	12 37	13 29
4891 N	13	55	01	E 147.54	A	13 27	14 26	13 29	14 22	13 29	14 26		
4892 D	14	48	42	W045.88	A	14 26	15 11			14 26	15 12	14 24	15 09
4892 N	15	42	15	E 120.75	B			15 16	16 08	15 14	16 13		
4893 D	16	35	56	W072.70	B/A	16 13	17 01			16 13	16 55	16 12	16 57
4893 N	17	29	29	E 093.94	A	17 01	18 00	17 04	17 56	17 01	18 00		
4894 D	18	23	11	W099.48	A/B	18 00	18 41			18 00	18 49	17 59	18 51
4894 N	19	16	43	E 067.13	B			18 51	19 43	18 49	19 47		
4895 D	20	10	25	W126.30	B/A	19 56	20 36			19 47	20 36	19 46	20 38
4895 N	21	03	57	E 040.30	A	20 36	21 35	20 38	21 31	20 36	21 35		
4896 D	21	57	39	W153.11	A	21 35	22 12			21 35	22 13	21 33	21 12
4896 N	22	51	11	E 013.53	A	22 23	23 22	22 25	23 18	22 23	23 22		
4897 D	23	44	53	W179.94	A	23 22	00 10			23 22	00 10	23 21	00 09
4897 N	00	38	25	W013.30	A	00 10	00 23	00 12	00 25	00 10	00 25		
4897 N	00	38	25	W013.30	B	00 39	01 01	00 26	01 05	00 27	01 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 8 APRIL 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4898 D	01	32	07	E 153.28	B	01 09	01 58			01 09	01 58	01 08	01 56
4898 N	02	25	39	W040.11	B	01 58	02 28	02 00	02 28	01 58	02 26		
4899 D	03	19	21	E 126.46									
4899 N	04	12	53	W066.94	B			04 07	04 38	04 07	04 44		
4900 D	05	06	35	E 099.65	B					04 44	05 32	04 42	05 31
4900 N	06	00	07	W093.71	B	05 49	06 31	05 34	05 41	05 32	05 43		
4900 N	06	00	07	W093.71	B	05 49	06 31	05 49	06 27	05 49	06 31		
4901 D	06	53	49	E 072.84	B	06 31	07 19			06 31	07 19	06 30	07 18
4901 N	07	47	21	W120.54	B	07 19	07 28	07 21	07 31	07 19	07 31		
4901 N	07	47	21	W120.54	A	07 32	08 18	07 32	08 14	07 32	08 18		
4902 D	08	41	03	E 046.05	A	08 18	09 07			08 18	09 07	08 17	09 05
4902 N	09	34	35	W147.35	A/B	09 07	10 05	09 11	10 01	09 11	10 05		
4903 D	10	28	17	E 019.23	B	10 05	10 54			10 05	10 54	10 04	10 53
4903 N	11	21	49	W174.18	B/A	10 54	11 52	11 00	11 49	10 54	11 52		
4904 D	12	15	31	W007.59	A	11 52	12 41			11 52	12 41	11 51	12 40
4904 N	13	09	03	E 159.05	A/B	12 41	13 40	12 45	13 36	12 45	13 40		
4905 D	14	02	45	W034.37	B	13 40	14 28			13 40	14 28	13 39	14 27
4905 N	14	56	17	E 132.24	A	14 28	14 32	14 30	15 23	14 29	15 27		
4906 D	15	49	59	W061.19	A	15 48	16 16			15 27	16 14	15 26	16 14
4906 N	16	43	31	E 105.41	B	16 24	17 14	16 17	17 09	16 16	17 14		
4907 D	17	37	13	W088.00	B/A	17 14	18 03			17 14	17 55		
4907 N	18	30	45	E 078.60	A	18 03	19 01						
4908 D	19	24	27	W114.83	A	19 01	19 45						
4908 N	20	17	59	E 051.81	B	20 00	20 49						
4909 D	21	11	41	W141.61	B	20 49	21 31						
4909 N	22	05	13	E 025.00	A	21 56	22 36						
4910 D	22	58	55	W168.43	A	22 36	23 14						
4910 N	23	52	27	W001.83	A	00 05	00 23						

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 9 April 1971

4913	A	00 59	01 25	00 05	01 25	00 05	01 25	00 05	01 25	00 46 09	E164.76	4911	01 39 41	W28.64
4913	B	02 54	03 13	03 38	04 56	02 54	04 56	02 54	04 56	02 33 23	E137.94	4912	03 26 55	W55.43
4913	B	04 33	04 56							04 20 37	E111.16	4913	05 14 09	W82.24
4914	B	06 20	06 47	05 05	06 47	05 05	06 47	05 05	06 47	06 07 51	E84.34	4914	07 01 23	W109.07
4915	A	08 07	08 27	07 44	08 28	06 48	08 27	06 48	08 27	07 55 05	E57.52	4915	08 48 37	W135.84
4916	B	08 28	08 34	08 49	10 15	08 28	10 14	08 28	10 14	09 42 19	E30.71	4916	10 35 51	W162.66
4916	B	09 55	10 14							11 29 33	E3.92	4917	12 23 05	E170.52
4917	A	10 14	10 22	10 13	12 00	10 14	12 00	10 14	12 00	13 16 47	W22.90	4918	14 10 19	E143.71
4917	A	11 42	12 00							15 04 01	W49.72	4919	15 57 33	E116.92
4918	B	12 00	12 09	11 59	13 48	12 00	13 47	12 00	13 47	16 51 15	W76.53	4920	17 44 47	E90.10
4918	B	13 29	13 47							18 38 29	W103.32	4921	19 32 01	E63.28
4919	A	13 47	13 56	13 45	15 33	13 47	15 33	13 47	15 33	20 25 43	W130.13	4922	21 19 15	E36.47
4919	A	15 16	15 33							22 12 57	W156.96	4923	23 06 29	E9.68
4920	B	15 28	15 43	15 27	17 13	15 28	17 13	15 28	17 13					
4920	B	17 04	17 13											

DATE 9 April 1971

4921	A	17 12	17 31	17 11	18 56	17 12	18 55	17 12	18 55					
4921	A	18 51	18 55											
4922	B	18 56	19 18	18 55	20 40	18 56	20 41	18 56	20 41					
4922	A	20 38	20 41											
4923	A	20 42	21 05	20 41	22 31	20 42	22 31	20 42	22 31					
4923	A	22 25	22 31											
4927	A	22 37	22 52	22 37	00 40	22 37	00 40	22 37	00 40					
4927	A	00 13	00 40											

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 10 April 1971

4926	B	02 00	02 27	00 41	02 44	00 42	02 44	00 42	02 44	00 00 11	E176.23	4924	00 53 43	W17.13
4927	B	05 34	05 58	04 21	05 59	04 22	05 58	04 22	05 58	01 47 25	E149.45	4925	02 40 57	W43.96
4928	B	07 22	07 39	06 04	07 39	06 05	07 39	06 05	07 39	03 34 39	E122.63	4926	04 28 11	W70.77
4929	A	07 41	07 49	07 40	09 26	07 41	09 27	07 41	09 27	05 21 53	E95.82	4927	06 15 25	W97.55
4929	A	09 09	09 27							07 09 07	E68.99	4928	08 02 39	W124.37
4930	B	09 27	09 36	09 27	11 09	09 27	11 13	09 27	11 13	08 56 21	E42.21	4929	09 49 53	W151.19
4930	B	10 56	11 13							10 43 35	E15.39	4930	11 37 07	W178.01
4931	A			11 13	12 59	11 14	12 59	11 14	12 59	12 30 50	W11.42	4931	13 24 21	E155.21
4932	B			12 58	14 45	12 59	14 45	12 59	14 45	14 18 04	W38.25	4932	15 11 35	E128.39
4933	A			14 43	16 25			14 43	16 26	16 05 18	W65.02	4933	16 58 49	E101.58
4934	B			16 27	18 08					17 52 32	W91.85	4934	18 46 04	E74.75
4935	A			18 10	19 59					19 39 46	W118.66	4935	20 33 18	E47.97
										21 27 00	W145.47	4936	22 20 32	E21.15
										23 14 14	W172.26	4937	00 07 46	W5.66

DATE 13 April 1971

(NO DATA RECORDED ON 11 AND 12 APRIL)

4976	B							19 25	21 11	19 09 07	W111.02	4975	20 02 39	E55.61
4977	A							21 13	22 58	20 56 21	W137.81	4976	21 49 53	E28.78
										22 43 35	W164.62	4977	23 37 07	E2.01

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 14 April 1971

4980	A							02 13	04 12	00 30 49	E168.55	4978	01 24 21	W24.82
4981	A							04 52	06 30	02 18 03	E141.74	4979	03 11 35	W51.63
4982	A							06 35	08 10	04 05 18	E114.95	4980	04 58 49	W78.45
4983	B							08 11	09 56	05 52 32	E88.14	4981	06 46 03	W105.23
4984	A							09 57	11 42	07 39 46	E61.31	4982	08 33 17	W132.06
4985	B							11 43	13 29	09 27 00	E34.50	4983	10 20 31	W158.87
4986	A							13 29	15 15	11 14 14	E7.72	4984	12 07 45	E174.32
4987	B							15 15	16 56	13 01 28	W19.10	4985	13 54 59	E147.53
4988	A							16 57	18 41	14 48 42	W45.91	4986	15 42 13	E120.72
4989	B							18 40	20 28	16 35 56	W72.74	4987	17 29 27	E93.88
4990	A							20 27	22 13	18 23 10	W99.51	4988	19 16 41	E67.08
										20 10 24	W126.34	4989	21 03 55	E40.29
										21 57 38	W153.15	4990	22 51 09	E13.48
										23 44 52	W179.94	4991	00 38 23	W13.35

DATE 15 April 1971

4993	A							01 27	03 29	01 32 06	E153.25	4992	02 25 37	W40.15
4994	A							04 08	05 44	03 19 20	E126.43	4993	04 12 51	W66.94
4995	B							05 54	07 32	05 06 34	E99.62	4994	06 00 05	W93.75
4996	A							07 32	09 13	06 53 48	E72.83	4995	07 47 19	W120.57
4997	B							09 12	10 59	08 41 02	E46.01	4996	09 34 33	W147.39
4998	A							10 59	12 44	10 28 16	E19.20	4997	11 21 47	W174.17
4999	B							12 44	14 27	12 15 30	W7.62	4998	13 09 02	E159.01
5000	A							14 27	16 13	14 02 44	W34.40	4999	14 56 16	E132.20
5001	B							16 13	17 59	15 49 58	W61.22	5000	16 43 30	E105.37
5002	A							18 00	19 41	17 37 12	W88.04	5001	18 30 44	E78.59
5003	B							19 43	21 27	19 24 26	W114.86	5002	20 17 58	E51.77
5004	A							21 27	23 13	21 11 40	W141.64	5003	22 05 12	E24.96
										22 58 54	W168.46	5004	23 52 26	W1.83

**TABLE 2-2
SENSOR ON - OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 16 April 1971

5007	B							03 38	04 58	00 46 09	E164.72	5005	01 39 40	W28.65
5008	B							05 04	06 47	02 33 23	E137.90	5006	03 26 54	W55.46
5009	A							06 47	08 27	04 20 37	E111.12	5007	05 14 08	W82.28
5010	B							08 27	10 13	06 07 51	E84.31	5008	07 01 22	W109.06
5011	A							10 12	11 58	07 55 05	E57.49	5009	08 48 36	W135.88
5012	B							11 58	13 47	09 42 19	E30.67	5010	10 35 50	W162.70
5013	A							13 43	15 29	11 29 33	E3.88	5011	12 23 04	E170.48
5014	B							15 28	17 10	13 16 47	W22.93	5012	14 10 18	E143.70
5015	A							17 10	18 54	15 04 01	W49.75	5013	15 57 32	E116.88
5016	B							18 55	20 40	16 51 15	W76.56	5014	17 44 46	E90.06
5017	A							20 44	22 28	18 38 29	W103.35	5015	19 32 00	E63.24
										20 25 43	W130.17	5016	21 19 14	E36.46
										22 12 57	W156.99	5017	23 06 28	E9.65

DATE 17 April 1971

5020	A							01 41	03 43	00 00 11	E176.20	5018	00 53 42	W17.17
5021	A							04 25	05 57	01 47 25	E149.41	5019	02 40 56	W43.99
5022	B							06 09	07 41	03 34 39	E122.60	5020	04 28 10	W70.78
5023	A							07 43	09 28	05 21 53	E95.78	5021	06 15 24	W97.59
5024	B							09 29	11 13	07 09 07	E68.96	5022	08 02 38	W124.41
5025	A							11 13	13 00	08 56 21	E42.18	5023	09 49 52	W151.23
5026	B							12 58	14 44	10 43 35	E15.36	5024	11 37 06	W178.01
5027	A							14 44	16 25	12 30 49	W11.46	5025	13 24 20	E155.17
5028	B							16 27	18 11	14 18 03	W38.28	5026	15 11 34	E128.35
5029	A							18 12	19 56	16 05 17	W65.06	5027	16 58 48	E101.54
5030	B							19 56	21 43	17 52 32	W91.88	5028	18 46 03	E74.76
										19 39 46	W118.69	5029	20 33 17	E47.93
										21 27 00	W145.52	5030	22 20 31	E21.12
										23 14 14	W172.30	5031	00 07 45	W5.70

**TABLE 2-2
SENSOR ON - OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 18 April 1971

5034	B							03 50	05 15	01 01 28	E160.89	5032	01 54 59	W32.48
5035	B							05 21	07 01	02 48 42	E134.07	5033	03 42 13	W59.31
5036	B							07 07	08 41	04 35 56	E107.26	5034	05 29 27	W86.12
5037	B							08 47	10 28	06 23 10	E80.47	5035	07 16 41	W112.91
5038	B							10 34	12 13	08 10 24	E53.65	5036	09 03 55	W139.72
5039	B							12 19	14 00	09 57 38	E26.83	5037	10 51 09	W166.54
5040	B							14 06	15 43	11 44 52	E0.05	5038	12 38 23	E166.64
5041	B							15 49	17 26	13 32 06	W26.77	5039	14 25 37	E139.87
5042	B							17 32	19 11	15 19 20	W53.58	5040	16 12 51	E113.04
5043	B							19 18	20 58	17 06 34	W80.41	5041	18 00 05	E86.23
5044	B							21 04	22 43	18 53 48	W107.19	5042	19 47 19	E59.40
										20 41 02	W134.01	5043	21 34 33	E32.63
										22 28 16	W160.82	5044	23 21 47	E5.80

DATE 19 April 1971

5047	B							03 35	04 28	00 15 30	E172.36	5045	01 09 01	W21.01
5048	B							04 37	06 12	02 02 44	E145.58	5046	02 56 15	W47.83
5049	B							06 22	07 56	03 49 58	E118.76	5047	04 43 29	W74.61
5050	B							08 02	09 42	05 37 12	E91.94	5048	06 30 43	W101.44
5051	B							09 48	11 28	07 24 26	E65.13	5049	08 17 57	W128.25
5052	B							11 34	13 13	09 11 40	E38.34	5050	10 05 11	W155.07
5053	B							13 20	14 59	10 58 54	E11.52	5051	11 52 25	E178.15
5054	B							15 05	16 43	12 46 09	W15.30	5052	13 39 39	E151.34
5055	B							16 49	18 28	14 33 23	W42.11	5053	15 26 53	E124.51
5056	B							18 34	20 11	16 20 37	W68.90	5054	17 14 07	E97.70
5057	B							20 17	21 57	18 07 51	W95.71	5055	19 01 21	E70.91
										19 55 05	W122.54	5056	20 48 35	E44.10
										21 42 19	W149.35	5057	22 35 49	E17.27
										23 29 33	W176.13	5058	00 23 04	W9.54

TABLE 2-2
SENSOR ON – OFF TIMES

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 20 April 1971

5061	B							01 58	03 54	01 16 47	E157.05	5059	02 10 18	W36.33
5062	B							05 37	07 15	03 04 01	E130.23	5060	03 57 32	W63.14
5063	B							07 22	08 57	04 51 15	E103.41	5061	05 44 46	W89.97
5064	B							09 03	10 42	06 38 29	E76.63	5062	07 32 00	W116.78
5065	B							10 49	12 29	08 25 43	E49.81	5063	09 19 14	W143.55
5066	B							12 35	14 16	10 12 57	E23.00	5064	11 06 28	W170.38
5067	B							14 22	15 58	12 00 11	W3.83	5065	12 53 42	E162.81
5068	B							16 05	17 41	13 47 25	W30.61	5066	14 40 56	E135.98
5069	B							17 48	19 25	15 34 39	W57.43	5067	16 28 10	E109.21
5070	B							19 31	21 12	17 21 53	W84.24	5068	18 15 24	E82.38
5071	B							21 18	23 00	19 09 07	W111.05	5069	20 02 38	E55.57
										20 56 21	W137.84	5070	21 49 52	E28.78
										22 43 35	W164.66	5071	23 37 06	E1.97

DATE 21 April 1971

5074	B							02 11	03 53	00 30 49	E168.52	5072	01 24 20	W24.86
5075	B							04 50	06 28	02 18 03	E141.71	5073	03 11 34	W51.67
5076	B							06 36	08 09	04 05 17	E114.92	5074	04 58 48	W78.45
5077	B							08 16	09 53	05 52 31	E88.11	5075	06 46 02	W105.27
5078	B							10 03	11 43	07 39 46	E61.28	5076	08 33 16	W132.08
5079	B							11 49	13 27	09 27 00	E34.47	5077	10 20 30	W158.91
5080	B							13 34	15 12	11 14 14	E7.68	5078	12 07 44	E174.32
5081	B							15 18	16 58	13 01 28	W19.13	5079	13 54 58	E147.49
5082	B							17 05	18 43	14 48 42	W45.96	5080	15 42 12	E120.68
5083	B							18 49	20 27	16 35 56	W72.73	5081	17 29 26	E93.85
5084	B							20 33	22 13	18 23 10	W99.55	5082	19 16 40	E67.08
										20 10 24	W126.37	5083	21 03 54	E40.25
										21 57 38	W153.18	5084	22 51 08	E13.44
										23 44 52	W179.97	5085	00 38 22	W13.37

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HRRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 22 April 1971

5087	B							22 40	00 22	01 32 06	E153.21	5086	02 25 36	W40.16
5088	B							04 08	05 41	03 19 20	E126.39	5087	04 12 50	W66.97
5089	B							05 51	07 28	05 06 34	E99.58	5088	06 00 05	W93.80
5090	B							07 37	09 10	06 53 48	E72.79	5089	07 47 19	W120.61
5091	B							09 15	10 50	08 41 02	E45.98	5090	09 34 33	W147.40
5092	B							11 03	12 43	10 28 16	E19.15	5091	11 21 47	W174.21
5093	B							12 49	14 27	12 15 30	W7.66	5092	13 09 01	E158.96
5094	B							14 34	16 10	14 02 44	W34.44	5093	14 56 15	E132.15
5095	B							16 19	17 57	15 49 58	W61.26	5094	16 43 29	E105.36
5096	B							18 06	19 41	17 37 12	W88.08	5095	18 30 43	E78.55
5097	B							19 49	21 28	19 24 26	W114.90	5096	20 17 57	E51.74
5098	B							21 35	23 14	21 11 40	W141.68	5097	22 05 11	E24.91
										22 58 54	W168.50	5098	23 52 25	W1.87

DATE 23 April 1971

5101	B							02 54	04 54	00 46 08	E164.69	5099	01 39 39	W28.69
5102	B							05 08	06 41	02 33 22	E137.86	5100	03 26 53	W55.50
5103	B							06 52	08 25	04 20 37	E111.08	5101	05 14 07	W82.29
5104	B							08 32	10 14	06 07 51	E84.26	5102	07 01 21	W109.10
5105	B							10 20	11 57	07 55 05	E57.45	5103	08 48 35	W135.93
5106	B							12 03	13 43	09 42 19	E30.62	5104	10 35 49	W162.74
5107	B							13 49	15 30	11 29 33	E3.85	5105	12 23 03	E170.47
5108	B					15 36	17 11	15 36	17 11	13 16 47	W22.97	5106	14 10 17	E143.66
5109	B					17 17	18 56	17 17	18 56	15 04 01	W49.79	5107	15 57 31	E116.83
5110	B					19 03	20 43	19 03	20 43	16 51 15	W76.60	5108	17 44 45	E90.02
5111	B					20 49	22 28	20 49	22 28	18 38 29	W103.39	5109	19 31 59	E63.24
										20 25 43	W130.20	5110	21 19 13	E36.42
										22 12 57	W157.03	5111	23 06 27	E9.60

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 24 April 1971

5114	B					02 24	04 13	02 24	04 13	00 00 11	E176.16	5112	00 53 41	W17.22
5115	B					04 21	05 59	04 21	05 59	01 47 25	E149.37	5113	02 40 55	W44.00
5116	B					06 08	07 40	06 08	07 40	03 34 39	E122.56	5114	04 28 09	W70.82
5117	B					07 46	09 25	07 46	09 25	05 21 53	E95.73	5115	06 15 23	W97.63
5118	B					09 33	11 12	09 33	11 12	07 09 07	E68.92	5116	08 02 37	W124.46
5119	B					11 19	12 59	11 19	12 59	08 56 21	E42.14	5117	09 49 51	W151.24
5120	B					13 05	14 42	13 05	14 42	10 43 35	E15.32	5118	11 37 06	W178.06
5121	B					14 49	16 25	14 49	16 25	12 30 49	W11.49	5119	13 24 20	E155.13
5122	B					16 31	18 10	16 31	18 10	14 18 03	W38.32	5120	15 11 34	E128.31
5123	B					18 17	19 55	18 17	19 55	16 05 17	W65.10	5121	16 58 48	E101.53
5124	B					20 01	21 42	20 01	21 42	17 52 31	W91.92	5122	18 46 02	E74.71
5125	B					21 48	23 30	21 48	23 30	19 39 45	W118.73	5123	20 33 16	E47.89
										21 26 59	W145.52	5124	22 20 30	E21.08
										23 14 13	W172.33	5125	00 07 44	W5.71

DATE 25 April 1971

5128	B					03 53	05 14	03 53	05 14	01 01 28	E160.84	5126	01 54 58	W32.53
5129	B					05 21	06 59	05 21	06 59	02 48 42	E134.03	5127	03 42 12	W59.35
5130	B					07 07	08 39	07 07	08 39	04 35 56	E107.25	5128	05 29 26	W86.16
5131	B					08 45	10 28	08 45	10 28	06 23 10	E80.43	5129	07 16 40	W112.95
5132	B					10 34	12 12	10 34	12 12	08 10 24	E53.61	5130	09 03 54	W139.76
5133	B					12 18	13 56	12 18	13 56	09 57 38	E26.79	5131	10 51 08	W166.58
5134	B					14 03	15 41	14 03	15 41	11 44 52	E0.01	5132	12 38 22	E166.63
5135	B					15 47	17 24	15 47	17 24	13 32 06	W26.81	5133	14 25 36	E139.82
5136	B					17 30	19 08	17 30	19 08	15 19 20	W53.62	5134	16 12 50	E113.00
5137	B					19 14	20 57	19 14	20 57	17 06 34	W80.45	5135	18 00 04	E86.18
5138	B					21 03	22 44	21 03	22 44	18 53 48	W107.23	5136	19 47 18	E59.39
										20 41 02	W134.05	5137	21 34 32	E32.58
										22 28 16	W160.86	5138	23 21 46	E5.76

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 26 April 1971

5141	B					02 39	04 28	02 39	04 28	00 15 30	E172.31	5139	01 09 00	W21.05
5142	B					04 37	06 13	04 37	06 13	02 02 44	E145.54	5140	02 56 14	W47.84
5143	B					06 21	07 55	06 21	07 55	03 49 58	E118.72	5141	04 43 28	W74.66
5144	B					08 01	09 42	08 01	09 42	05 37 12	E91.90	5142	06 30 42	W101.47
5145	B					09 48	11 31	09 48	11 31	07 24 26	E65.09	5143	08 17 56	W128.29
5146	B					11 37	13 12	11 37	13 12	09 11 40	E38.30	5144	10 05 10	W155.07
5147	B					13 18	14 58	13 18	14 58	10 58 54	E11.48	5145	11 52 24	E178.10
5148	B					16 26	16 42	16 26	16 42	12 46 08	W15.34	5146	13 39 38	E151.29
5149	B					16 48	18 24	16 48	18 24	14 33 22	W42.15	5147	15 26 52	E124.47
5150	B					18 30	20 11	18 30	20 11	16 20 36	W68.94	5148	17 14 07	E97.69
5151	B					20 21	21 59	20 21	21 59	18 07 50	W95.75	5149	19 01 21	E70.87
										19 55 04	W122.58	5150	20 48 35	E44.05
										21 42 19	W149.39	5151	22 35 49	E17.23
										23 29 33	W176.17	5152	00 23 03	W9.55

DATE 27 April 1971

5155	B					03 24	05 22	03 24	05 22	01 16 47	E157.01	5153	02 10 17	W36.36
5156	B					05 36	07 15	05 36	07 15	03 04 01	E130.20	5154	03 57 31	W63.19
5157	B					07 23	08 55	07 23	08 55	04 51 15	E103.37	5155	05 44 45	W90.00
5158	B					09 03	10 43	09 02	10 43	06 38 29	E76.59	5156	07 31 59	W116.79
5159	B					10 49	12 27	10 49	12 27	08 25 43	E49.77	5157	09 19 13	W143.60
5160	B					12 33	14 13	12 33	14 13	10 12 57	E22.96	5158	11 06 27	W170.42
5163	B					17 43	19 24	17 43	19 24	12 00 11	W3.87	5159	12 53 41	E162.76
5164	B					19 31	21 12	19 31	21 12	13 47 25	W30.65	5160	14 40 55	E135.97
5165	B					21 18	22 59	21 18	22 59	15 34 39	W57.47	5161	16 28 09	E109.16
										17 21 53	W84.28	5162	18 15 23	E82.34
										19 09 07	W111.07	5163	20 02 37	E55.52
										20 56 21	W137.88	5164	21 49 51	E28.75
										22 43 35	W164.70	5165	23 37 05	E1.92

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 28 April 1971

5168	B					02 40	04 40	02 40	04 40	00 30 49	E168.48	5166	01 24 19	W24.89
5169	B					04 53	06 28	04 53	06 28	02 18 03	E141.70	5167	03 11 33	W51.68
5170	B					06 38	08 10	06 38	08 10	04 05 17	E114.88	5168	04 58 47	W78.49
5171	B					08 16	09 56	08 16	09 56	05 52 31	E88.07	5169	06 46 01	W105.32
5172	B					10 03	11 42	10 03	11 42	07 39 45	E61.24	5170	08 33 15	W132.13
5173	B					11 49	13 28	11 49	13 28	09 26 59	E34.46	5171	10 20 29	W158.92
5174	B					13 33	15 11	13 33	15 11	11 14 13	E7.64	5172	12 07 43	E174.27
5177	B					18 42	20 27	18 42	20 27	13 01 27	W19.17	5173	13 54 57	E147.44
5178	B					20 34	22 14	20 34	22 14	14 48 41	W46.00	5174	15 42 11	E120.63
										16 35 55	W72.78	5175	17 29 25	E93.84
										18 23 09	W99.59	5176	19 16 39	E67.03
										20 10 24	W126.41	5177	21 03 53	E40.22
										21 57 38	W153.22	5178	22 51 08	E13.39
										23 44 52	E179.99	5179	00 38 22	W13.38

DATE 29 April 1971

5181	B					01 56	03 54	01 56	03 54	01 32 06	E153.17	5180	02 25 36	W40.21
5182	B					04 08	05 42	04 08	05 42	03 19 20	E126.35	5181	04 12 50	W67.02
5183	B					05 51	07 31	05 51	07 31	05 06 34	E99.54	5182	06 00 04	W93.85
5184	B					07 38	09 12	07 38	09 12	06 53 48	E72.75	5183	07 47 18	W120.62
5185	B					09 18	10 59	09 18	10 59	08 41 02	E45.94	5184	09 34 32	W147.45
5186	B					11 05	12 44	11 05	12 44	10 28 16	E19.11	5185	11 21 46	W174.26
5187	B					12 50	14 29	12 50	14 29	12 15 30	W7.70	5186	13 09 00	E158.92
5190	B					17 58	19 39	17 58	19 39	14 02 44	W34.49	5187	14 56 14	E132.14
5191	B					19 45	21 29	19 45	21 29	15 49 58	W61.30	5188	16 43 28	E105.33
5192	B					21 35	23 15	21 35	23 15	17 37 12	W88.12	5189	18 30 42	E78.50
										19 24 26	W114.94	5190	20 17 56	E51.69
										21 11 40	W141.72	5191	22 05 10	E24.90
										22 58 54	W168.54	5192	23 52 24	W1.91

**TABLE 2-2
SENSOR ON – OFF TIMES**

INTERRO- GATION ORBIT	HDRSS	MUSE		IRIS		BUV		SCR		ASCENDING NODE (DAYTIME)		DATA ORBIT	DESCENDING NODE (NIGHTTIME)	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	TIME	LONG		TIME	LONG
		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN SEC	DEG		HR MIN SEC	DEG

DATE 30 April 1971

5195	B					02 53	04 53	02 53	04 53	00 46 08	E164.65	5193	01 39 38	W28.74
5196	B					05 07	06 43	05 07	06 43	02 33 22	E137.83	5194	03 26 52	W55.54
5197	B					06 52	08 26	06 52	08 26	04 20 36	E111.05	5195	05 14 06	W82.33
5198	B					08 33	10 12	08 33	10 12	06 07 50	E84.23	5196	07 01 20	W109.14
5199	B					10 18	11 57	10 18	11 57	07 55 04	E57.41	5197	08 48 34	W135.97
5203	B					17 12	18 55	17 12	18 55	09 42 18	E30.59	5198	10 35 48	W162.74
5204	B					19 02	20 41	19 02	20 41	11 29 32	E3.81	5199	12 23 02	E170.44
5205	B					20 47	22 28	20 47	22 28	13 16 46	W23.00	5200	14 10 16	E143.62
										15 04 00	W49.82	5201	15 57 30	E116.81
										16 51 14	W76.60	5202	17 44 44	E90.02
										18 38 28	W103.43	5203	19 31 58	E63.20
										20 25 43	W130.24	5204	21 19 12	E36.38
										22 12 57	W157.06	5205	23 06 26	E9.57

SECTION 3

IMAGE DISSECTOR CAMERA SYSTEM MONTAGES

This section depicts the data from the Image Dissector Camera System (IDCS) experiment carried on the Nimbus 4 Meteorological Satellite. The pictorial montage presentation facilitates perusal and search of the IDCS data for preliminary research and also enables the user to determine his specific IDCS film data requirements.

The montages shown represent the daytime television pictures obtained for each day (UT) and are arranged in chronological order in a world montage format. Complete daylight orbital coverage is obtained with 15 consecutive pictures. Successive orbits, displaced about 27 degrees westward in longitude at the equator, provide adjacent pictorial data, with increasing overlap from the equator toward the poles. Data orbit number is indicated below each swath.

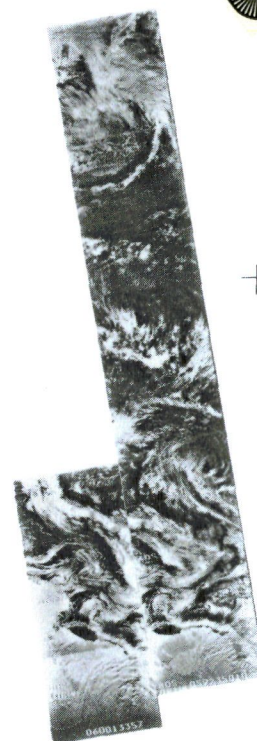
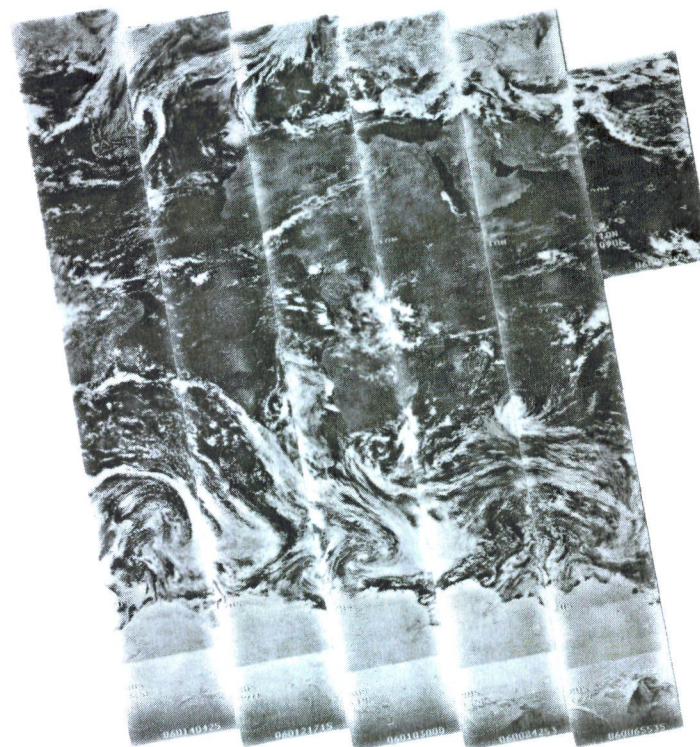
A vellum IDCS grid overlay (IDCS Location Guide), attached to the back of this catalog, is to be used for approximate location and orientation of the montage data. Proper alignment of the grid is accomplished by matching the grid indices on the equator with two "T" marks on each montage.

The data area, 5" x 9" in size, has been reduced from the original montage size of 22" x 32". This reduction, required for convenient catalog dimensions, still permits recognition of major cloud and land features.

A description of the IDCS experiment and instructions for ordering IDCS data may be found in the Nimbus IV User's Guide, Section 2.

3-2

T

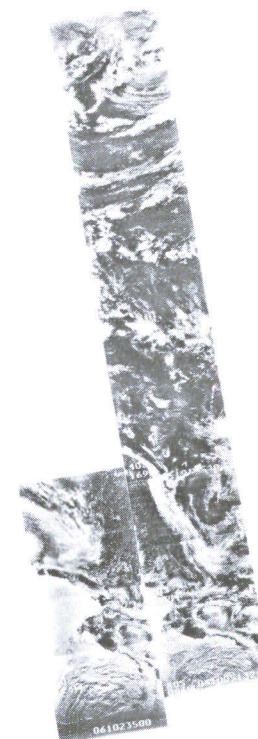


T

Reproduced from
best available copy.

4400 4399 4398 4397 4396 4395 4394 4393 4392 4391 4390 4389 4388 4387

1 MARCH 1971



4413 4412 4411 4410 4409 4408 4407 4406 4405 4404 4403 4402 4401

2 MARCH 1971

+



+



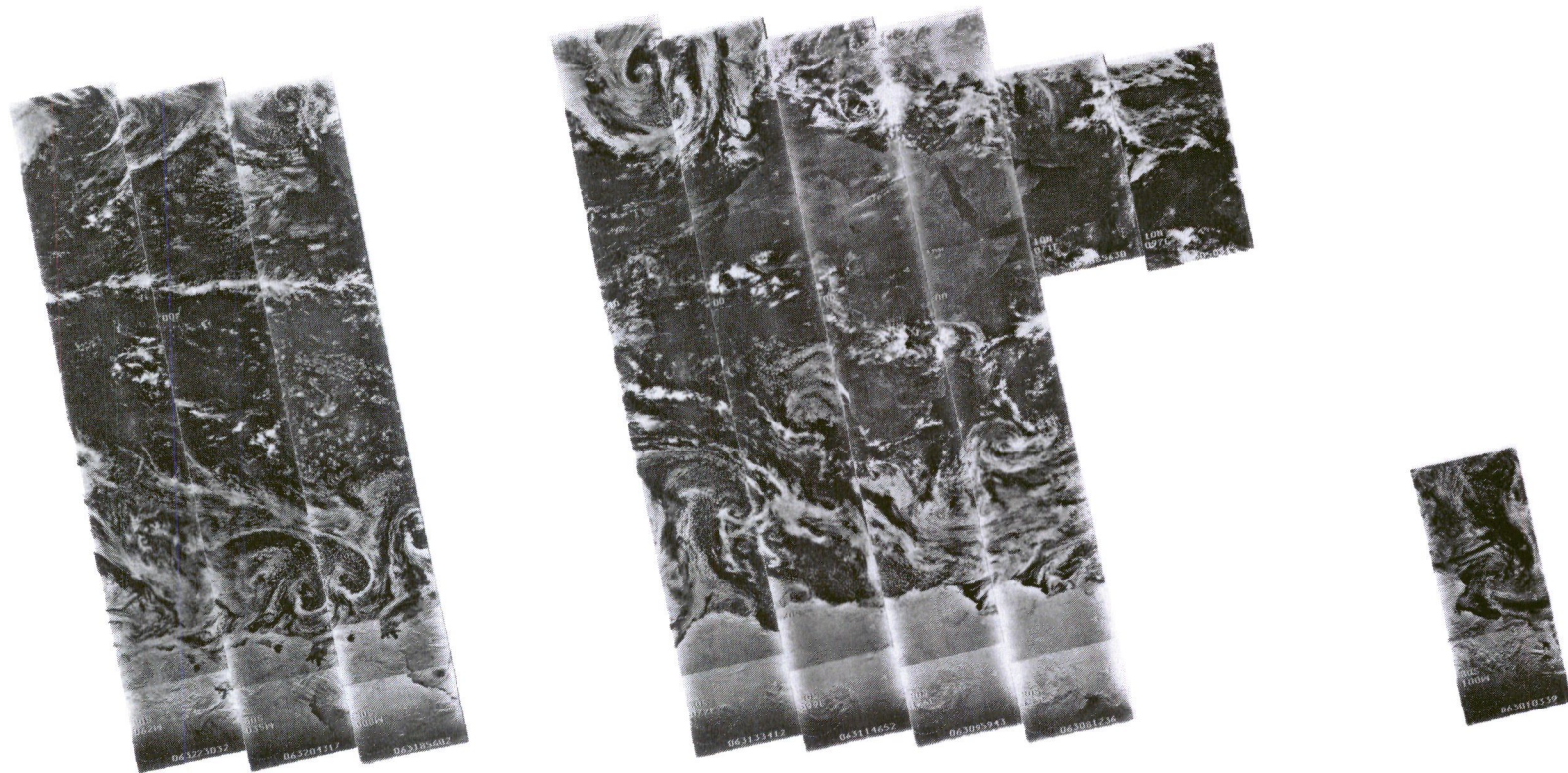
4427 4426 4425 4424 4423 4422 4421 4420 4419 4418 4417 4416 4415 4414

3 MARCH 1971

3-5

T

T



4440 4439 4438 4437 4436 4435 4434 4433 4432 4431 4430 4429 4428

4 MARCH 1971

T



4453

4452

4451

4450

4449

4448

4447

4446

4445

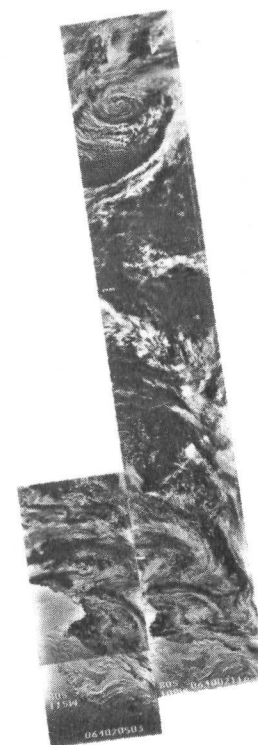
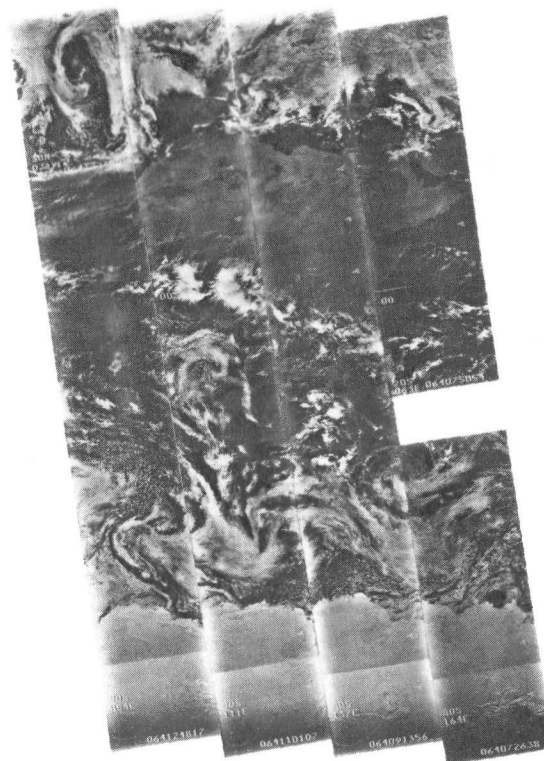
4444

4443

4442

4441

5 MARCH 1971



T

3-7

+



4467

4466

4465

4464

4463

4462

4461

4460



4459

4458

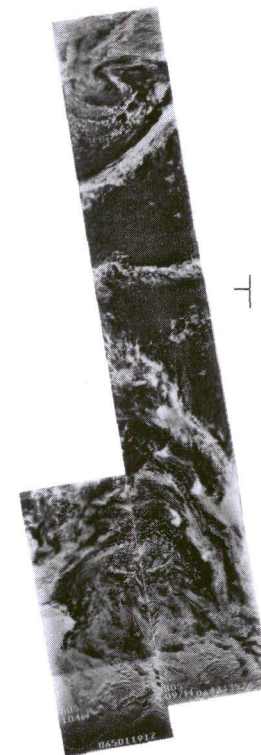


4457

4456

4455

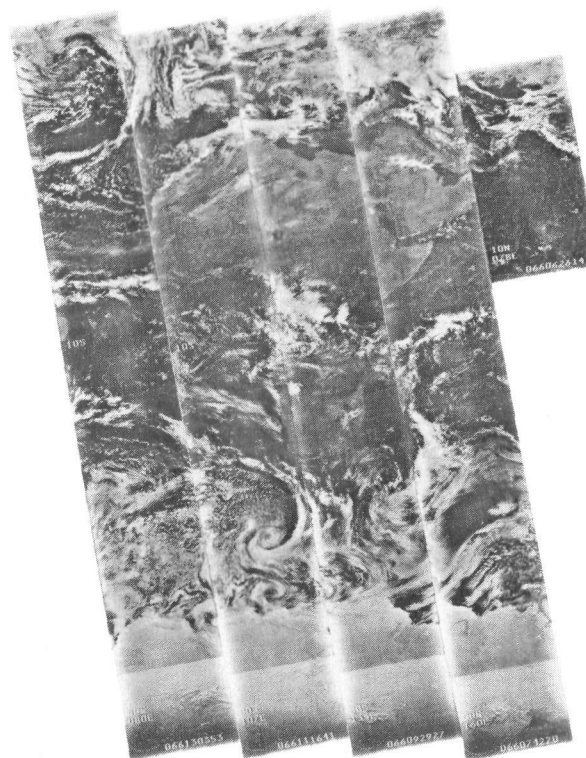
4454



+

6 MARCH 1971

T



T

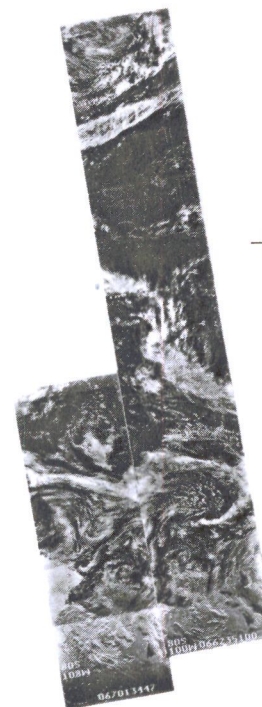
4480 4479 4478 4477 4476 4475 4474 4473 4472 4471 4470 4469 4468

7 MARCH 1971

T



Reproduced from
best available copy.



T

4494 4493 4492 4491 4490 4489 4488 4487 4486 4485 4484 4483 4482 4481

8 MARCH 1971

3-10

+



4507

4506

4505

4504

4503

4502

4501

4500

4499

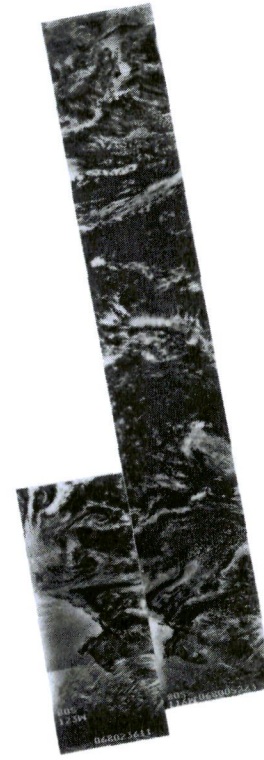
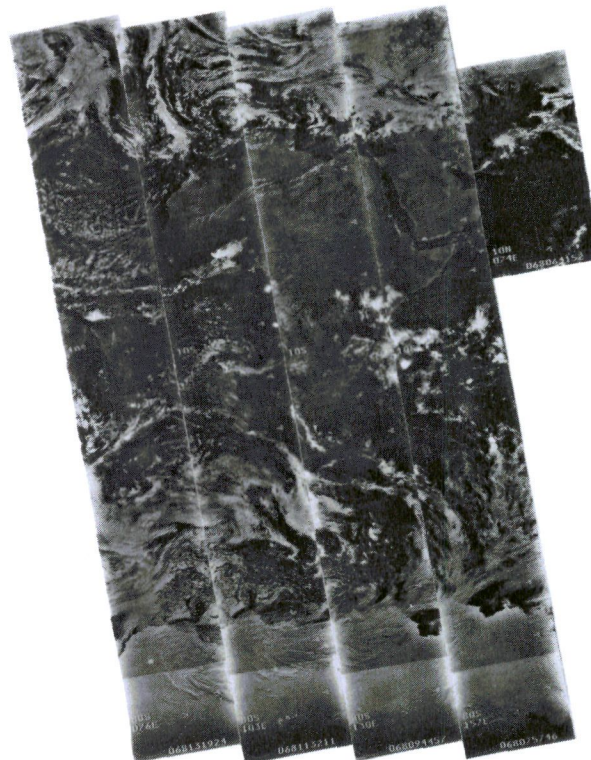
4498

4497

4496

4495

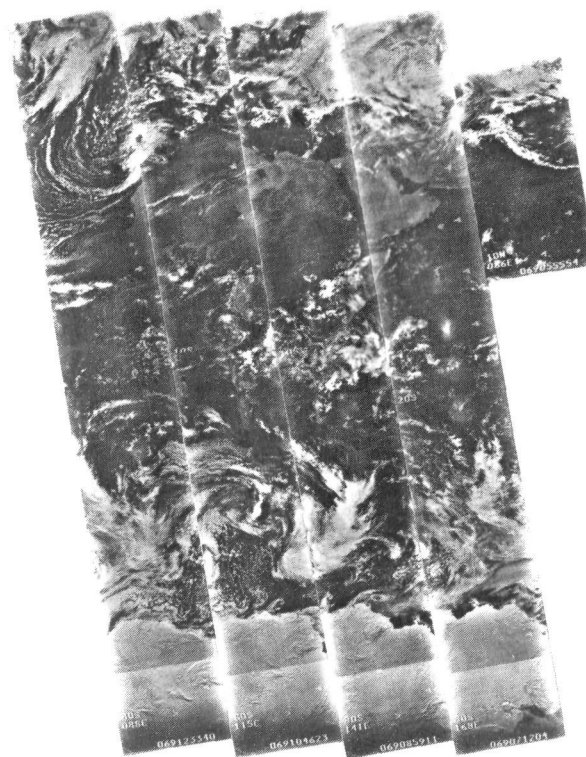
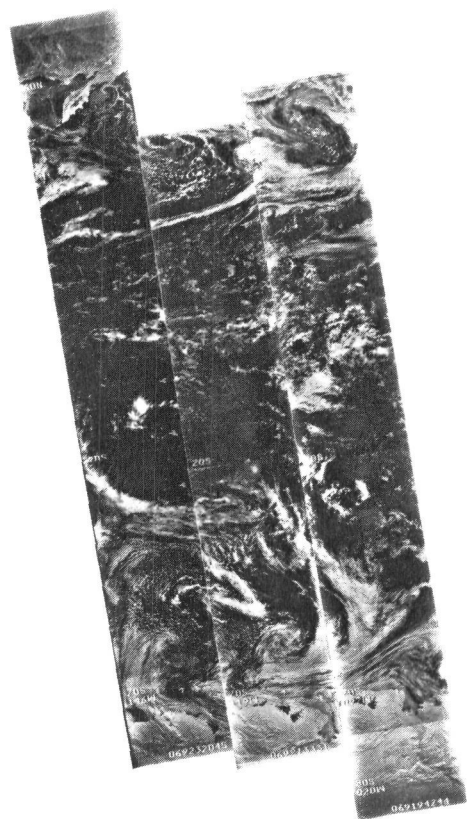
9 MARCH 1971



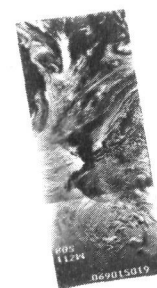
+

3-11

+

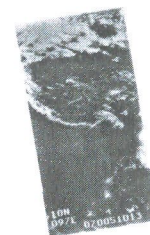
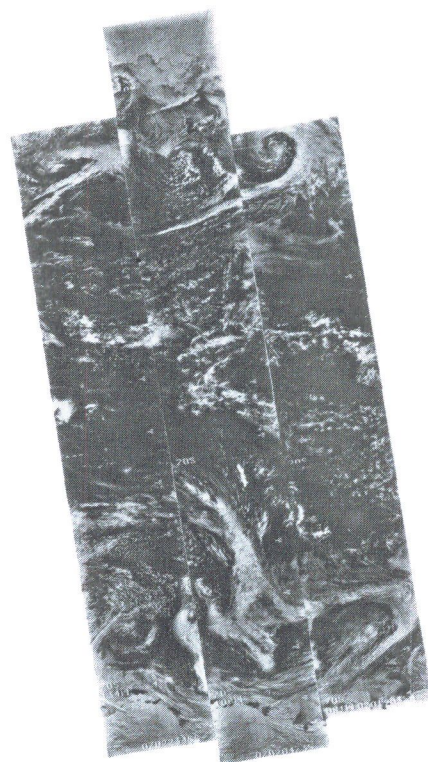


+



4521 4520 4519 4518 4517 4516 4515 4514 4513 4512 4511 4510 4509 4508

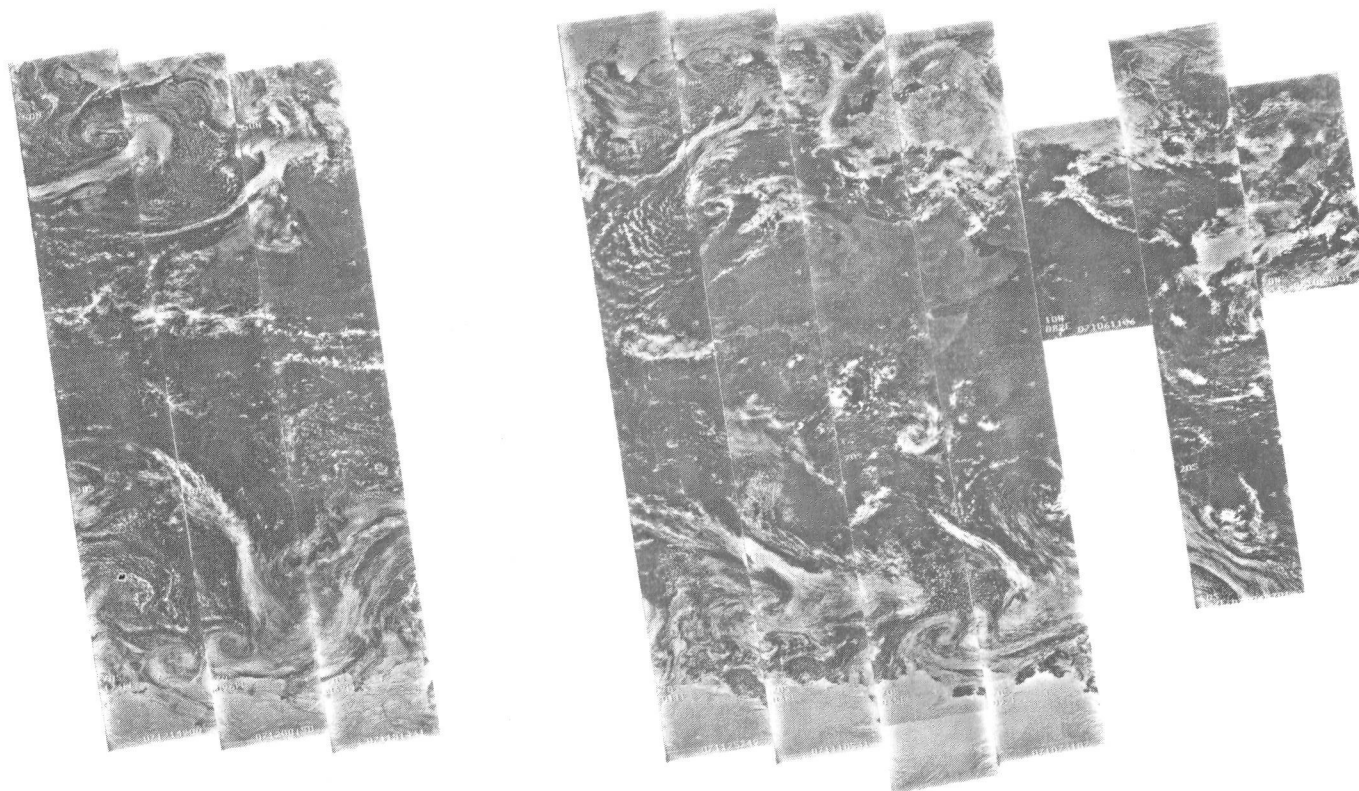
10 MARCH 1971



4534 4533 4532 4531 4530 4529 4528 4527 4526 4525 4524 4523 4522

11 MARCH 1971

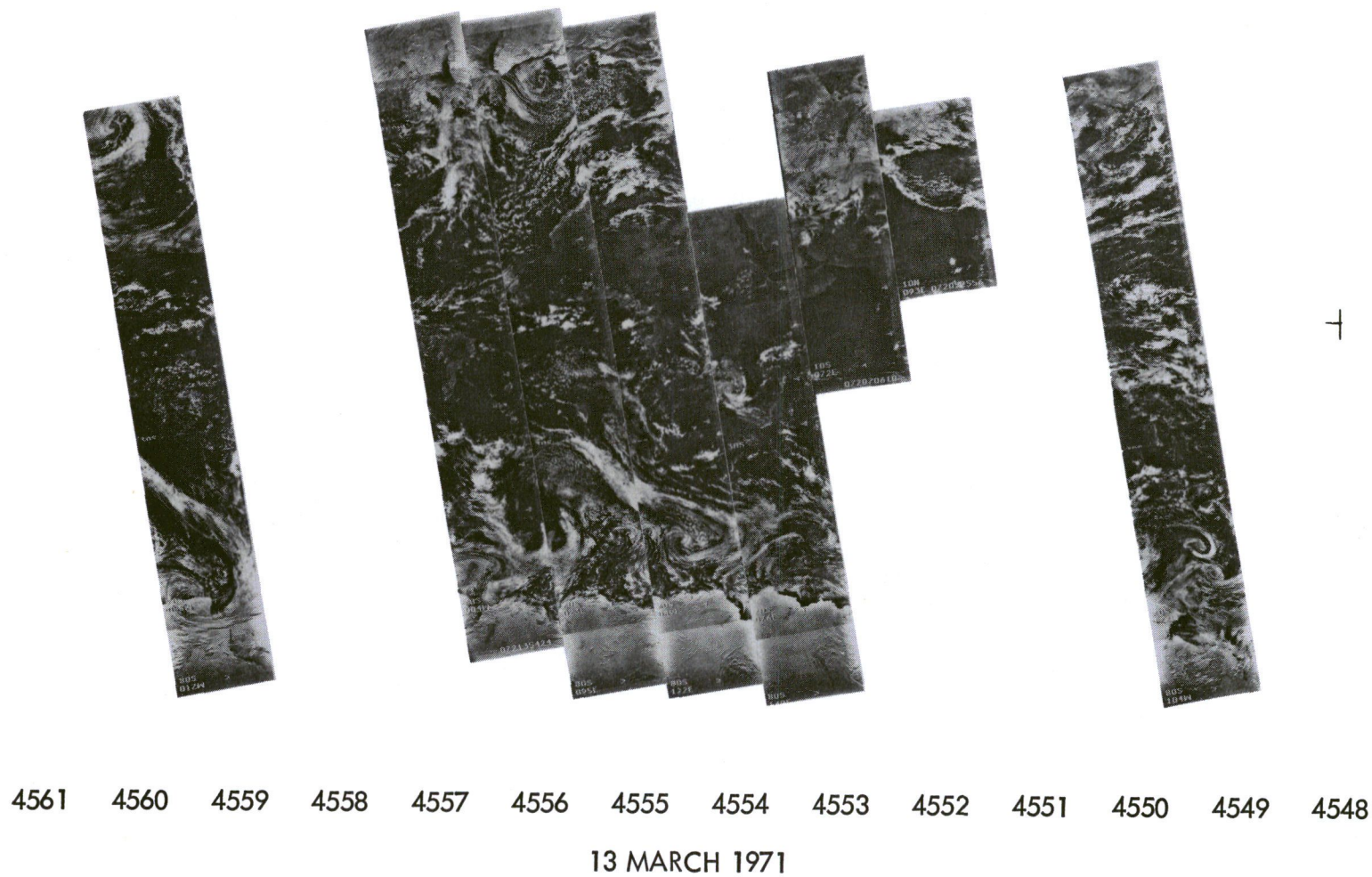
3-13



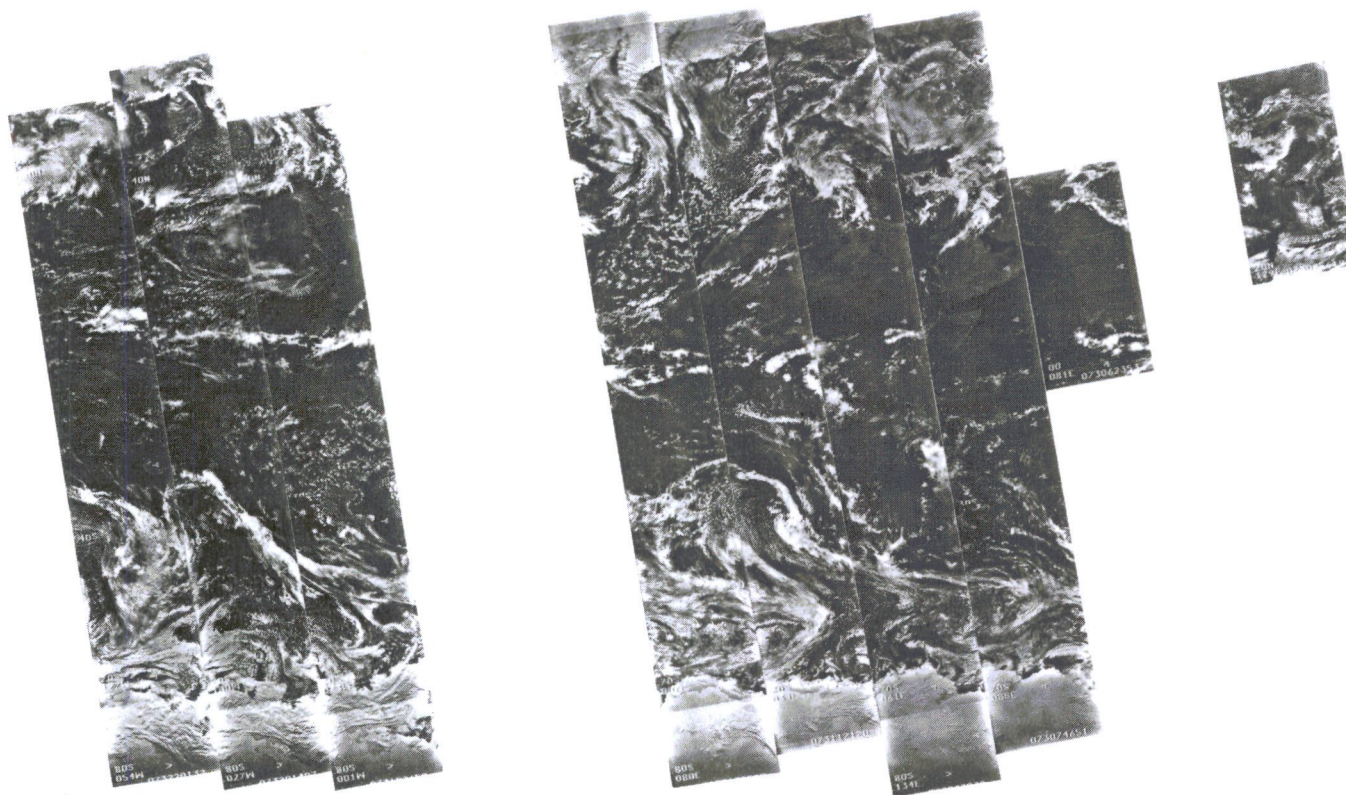
4547 4546 4545 4544 4543 4542 4541 4540 4539 4538 4537 4536 4535

12 MARCH 1971

3-14

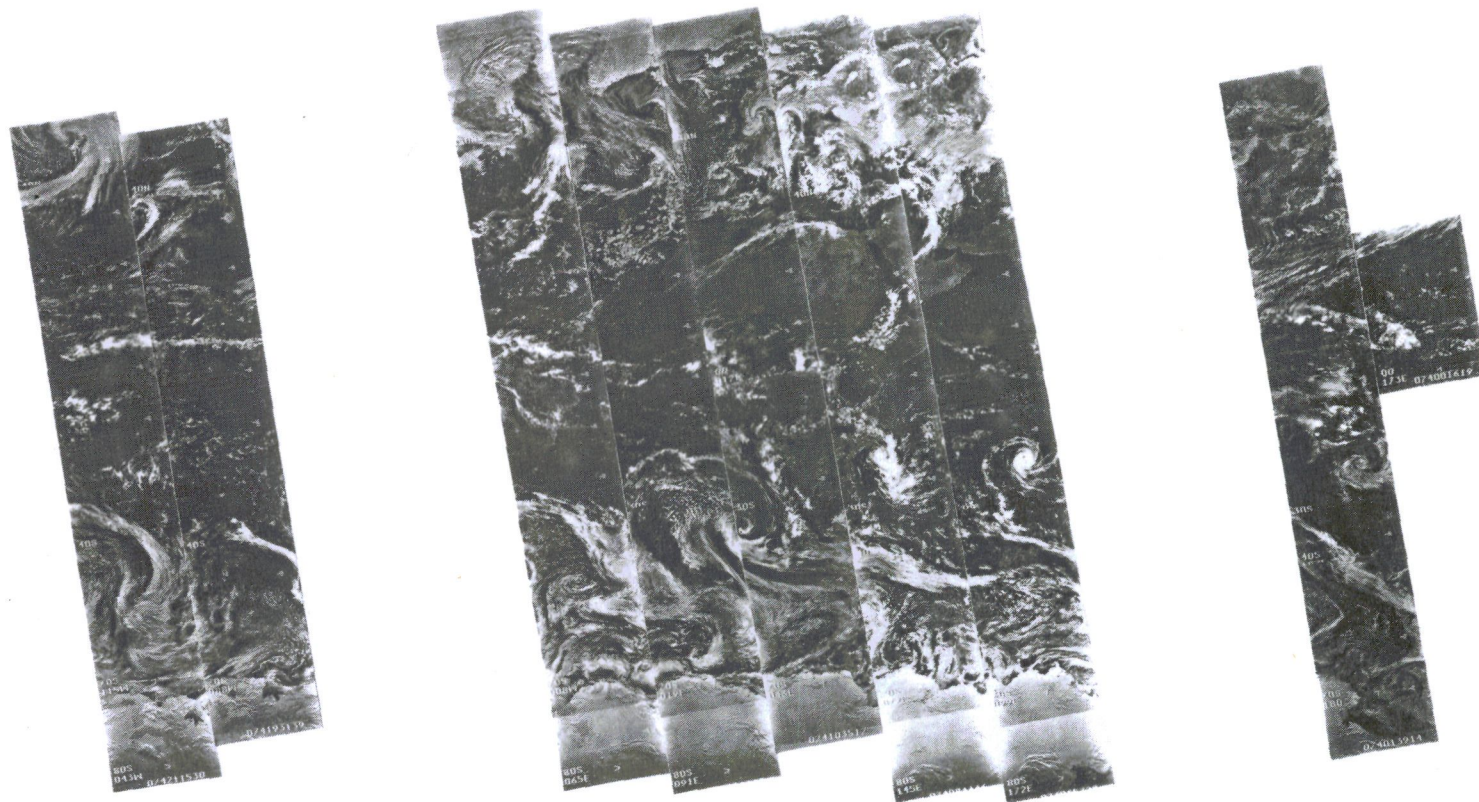


3-15



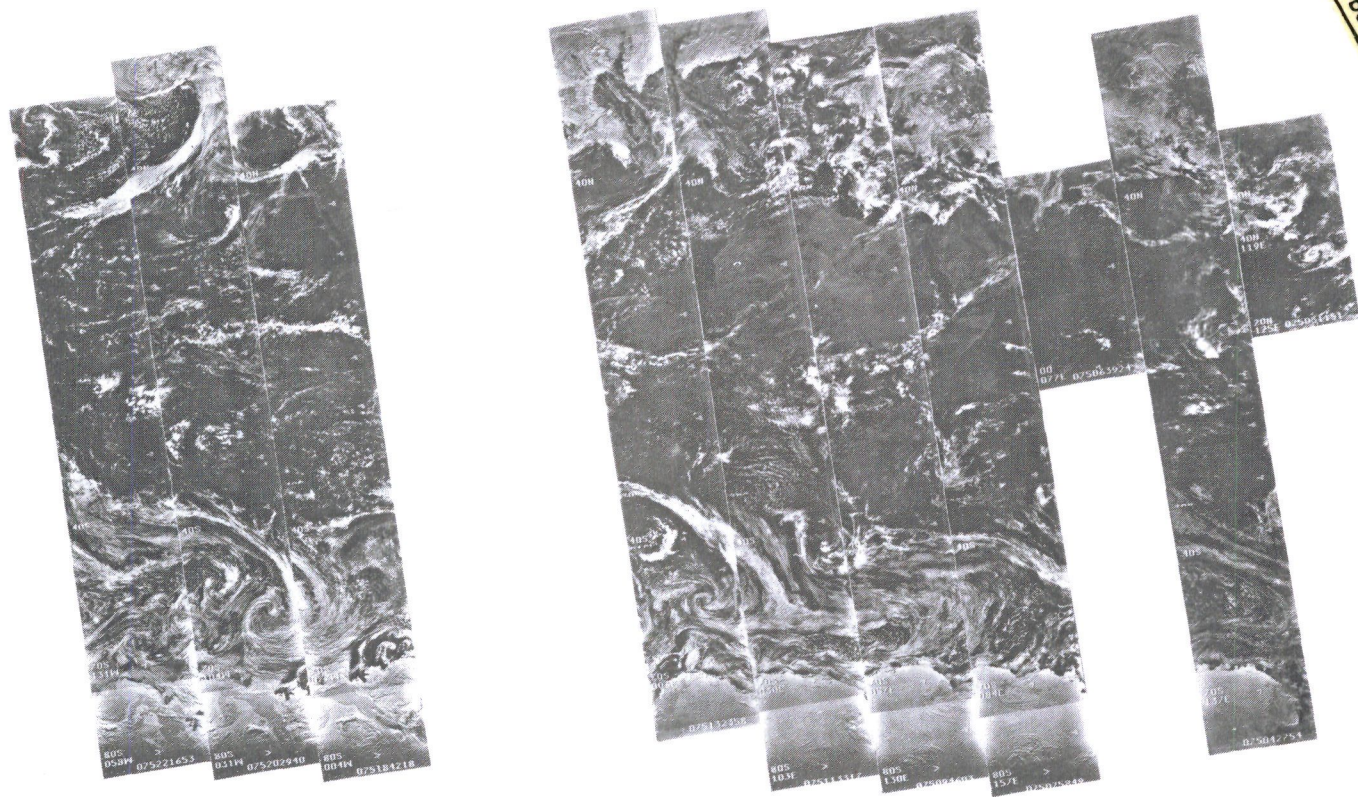
4574 4573 4572 4571 4570 4569 4568 4567 4566 4565 4564 4563 4562

14 MARCH 1971



4588 4587 4586 4585 4584 4583 4582 4581 4580 4579 4578 4577 4576 4575

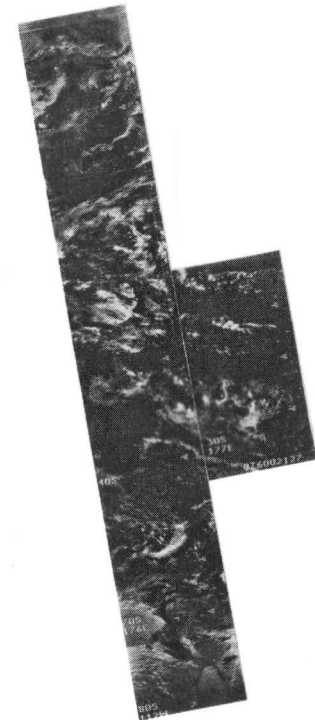
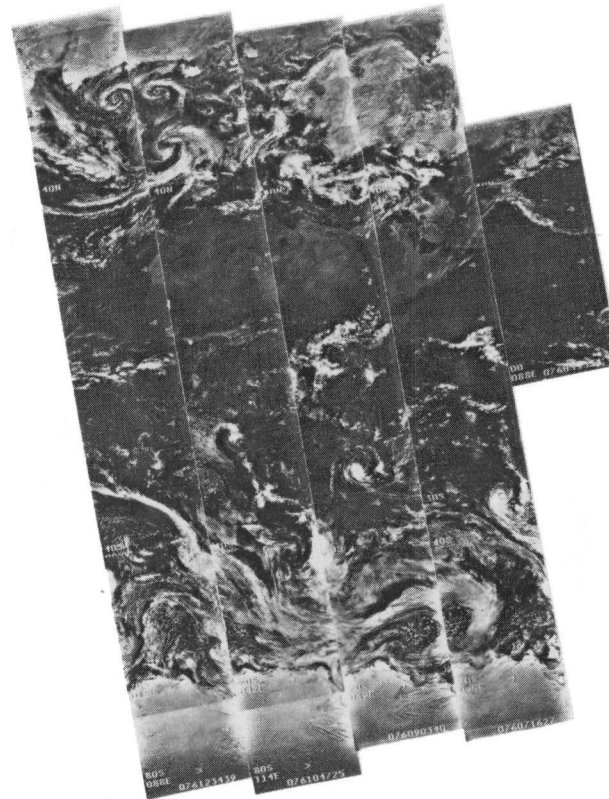
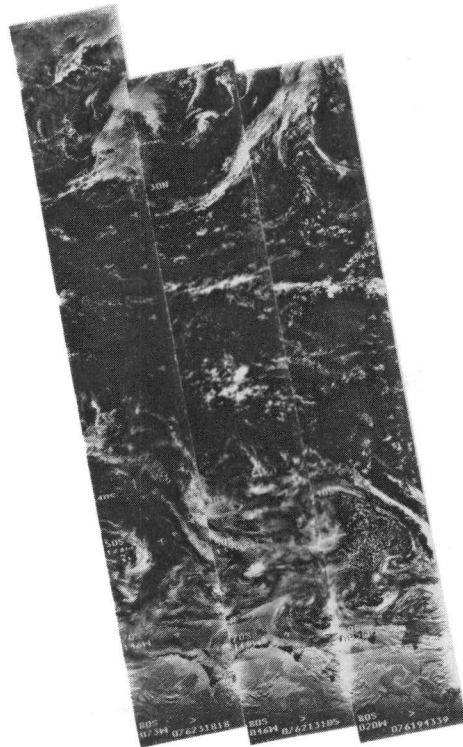
15 MARCH 1971



4601 4600 4599 4598 4597 4596 4595 4594 4593 4592 4591 4590 4589

16 MARCH 1971

+

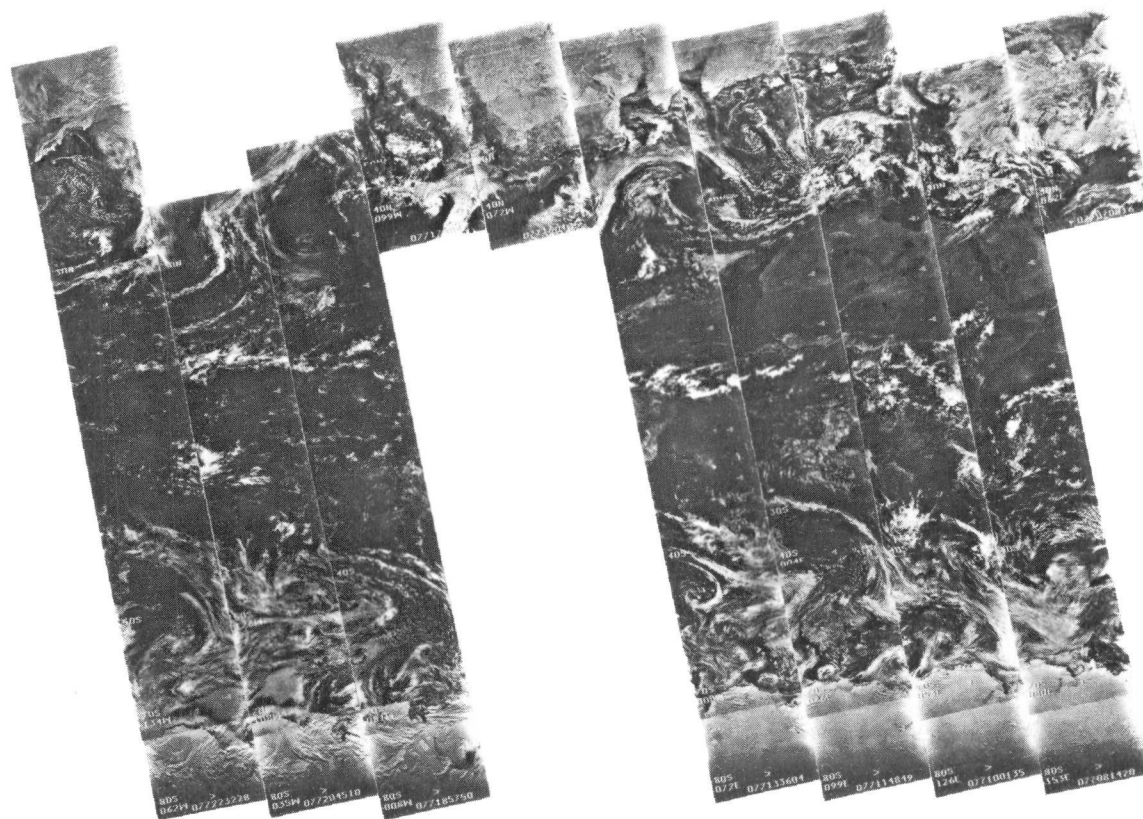


+

4615 4614 4613 4612 4611 4610 4609 4608 4607 4606 4605 4604 4603 4602

17 MARCH 1971

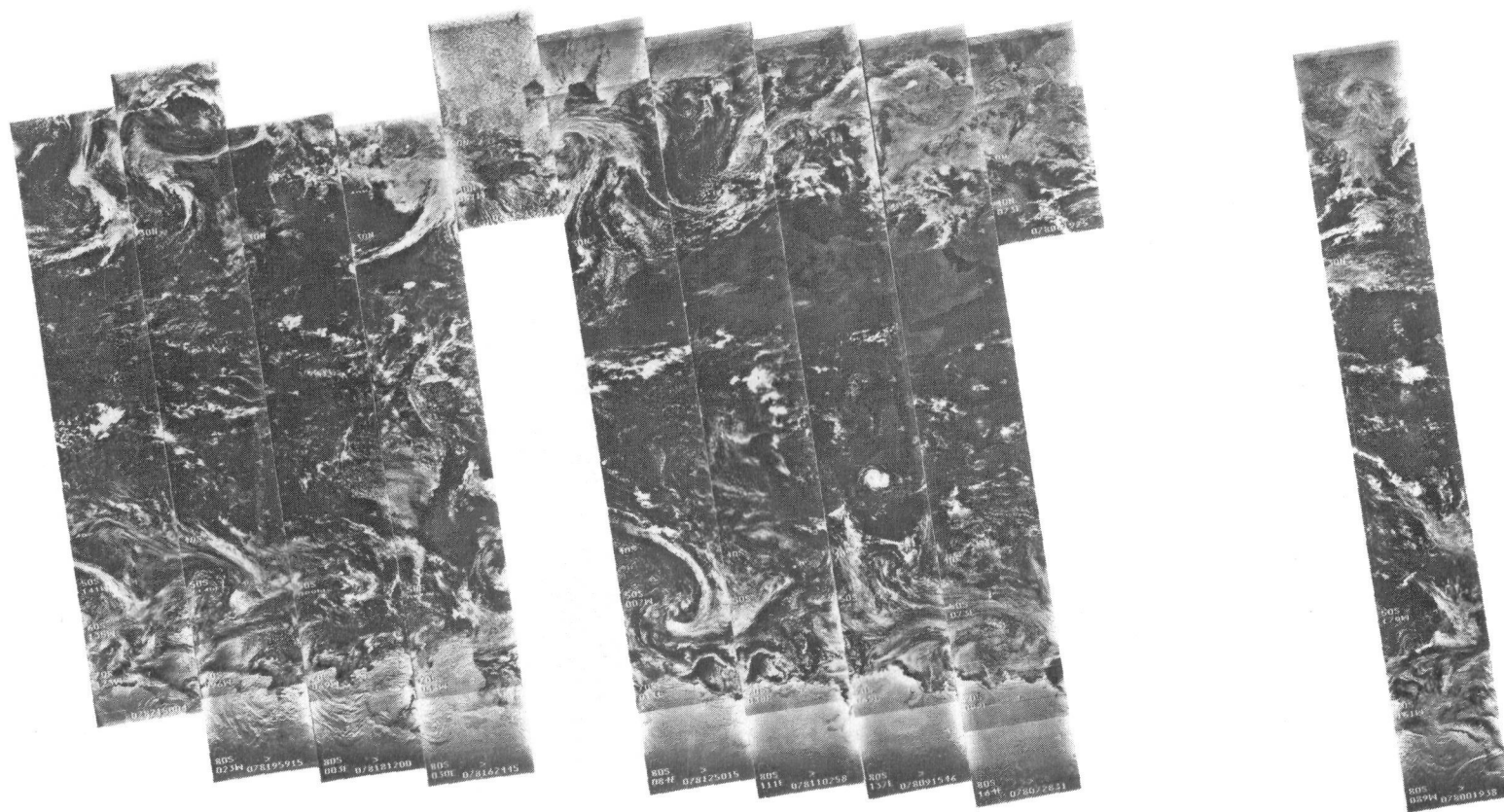
T



T

4628 4627 4626 4625 4624 4623 4622 4621 4620 4619 4618 4617 4616

18 MARCH 1971

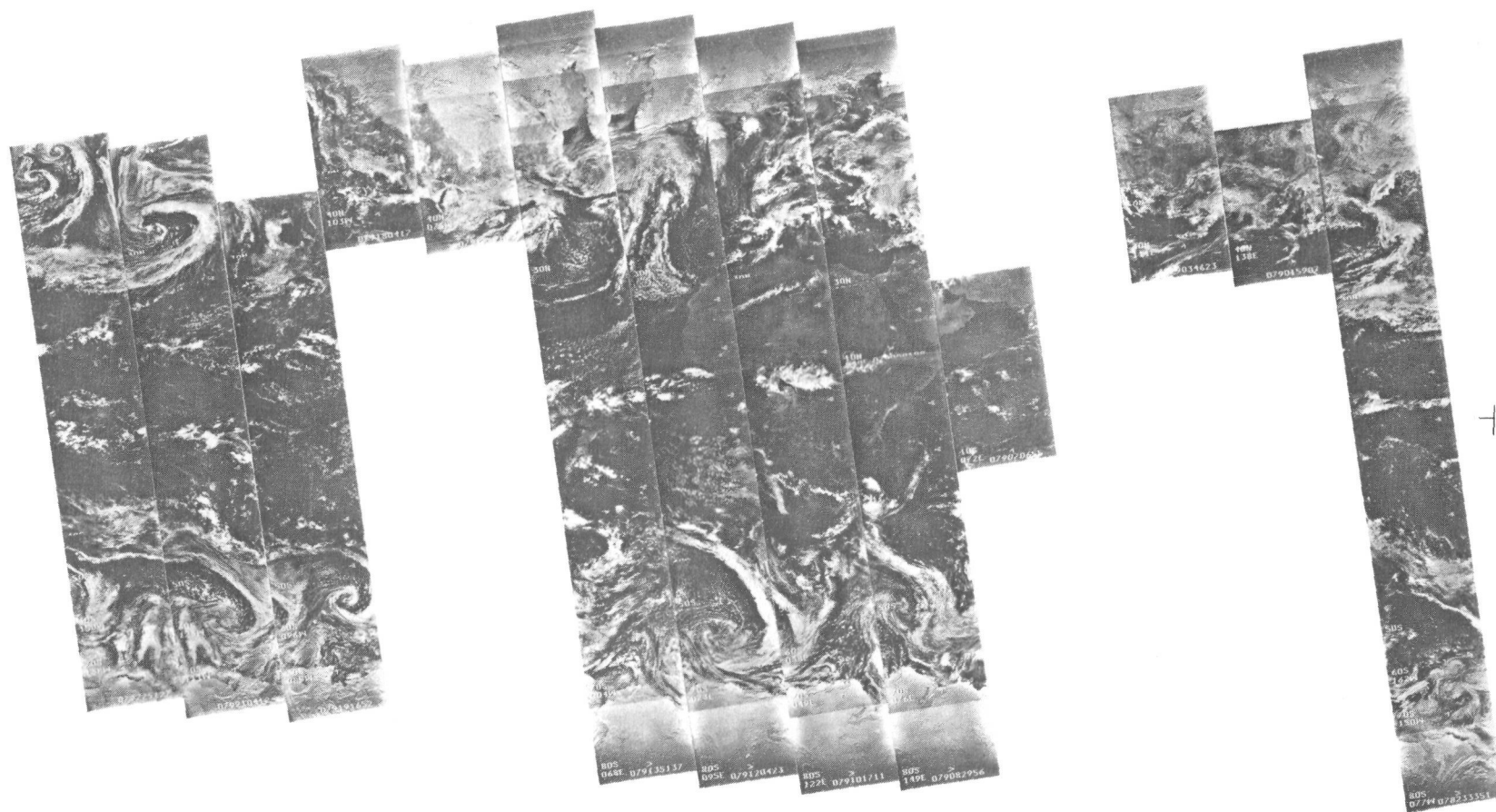


4641 4640 4639 4638 4637 4636 4635 4634 4633 4632 4631 4630 4629

19 MARCH 1971

3-21

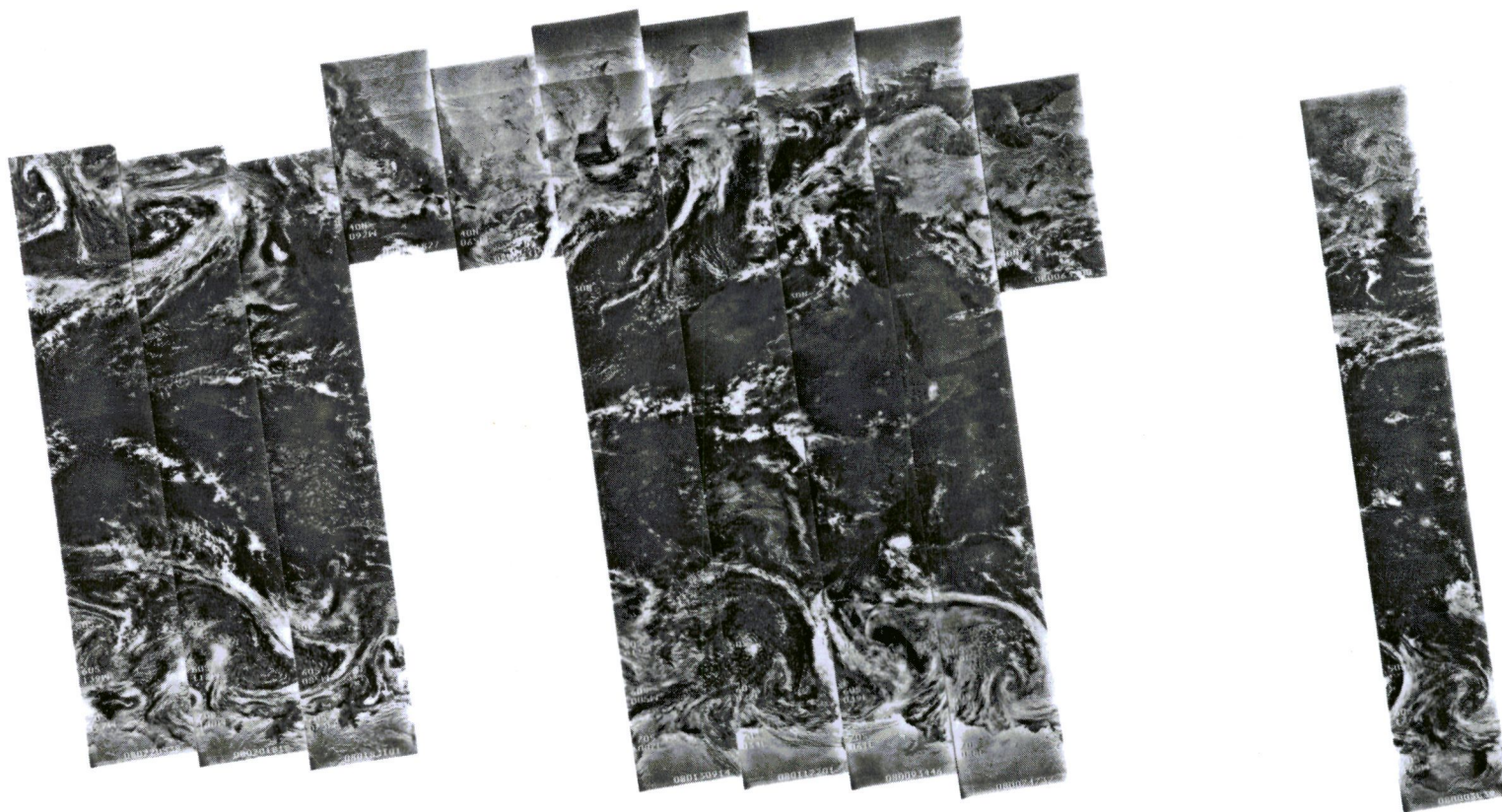
T



T

4655 4654 4653 4652 4651 4650 4649 4648 4647 4646 4645 4644 4643 4642
20 MARCH 1971

T

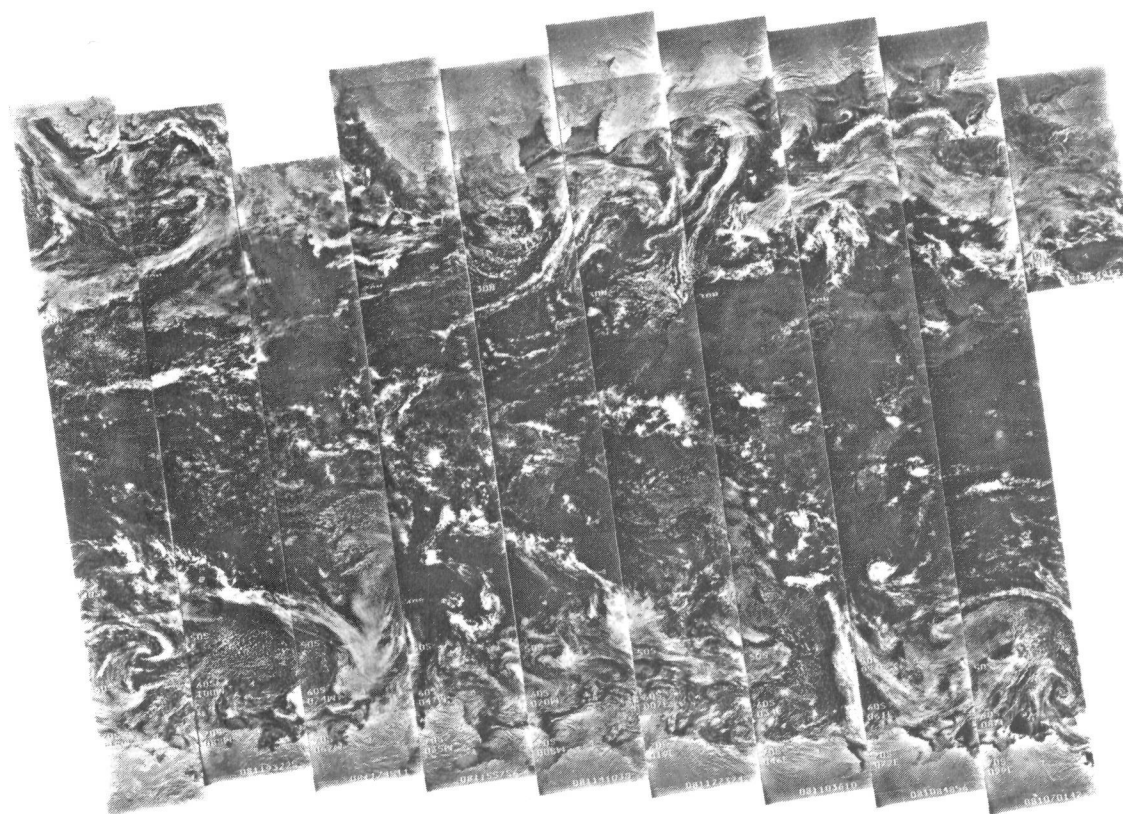


T

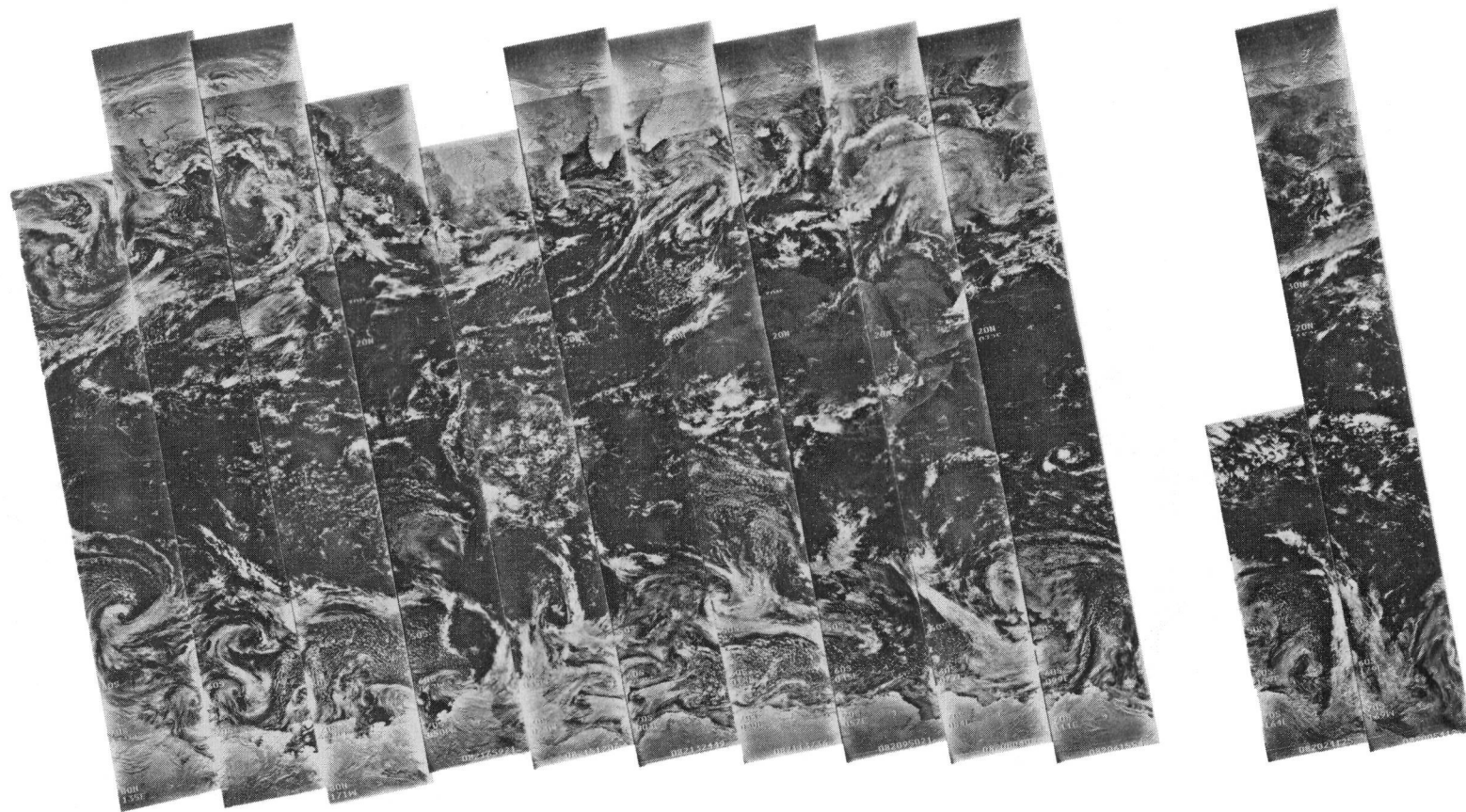
4668 4667 4666 4665 4664 4663 4662 4661 4660 4659 4658 4657 4656

21 MARCH 1971

3-23



4682 4681 4680 4679 4678 4677 4676 4675 4674 4673 4672 4671 4670 4669
22 MARCH 1971

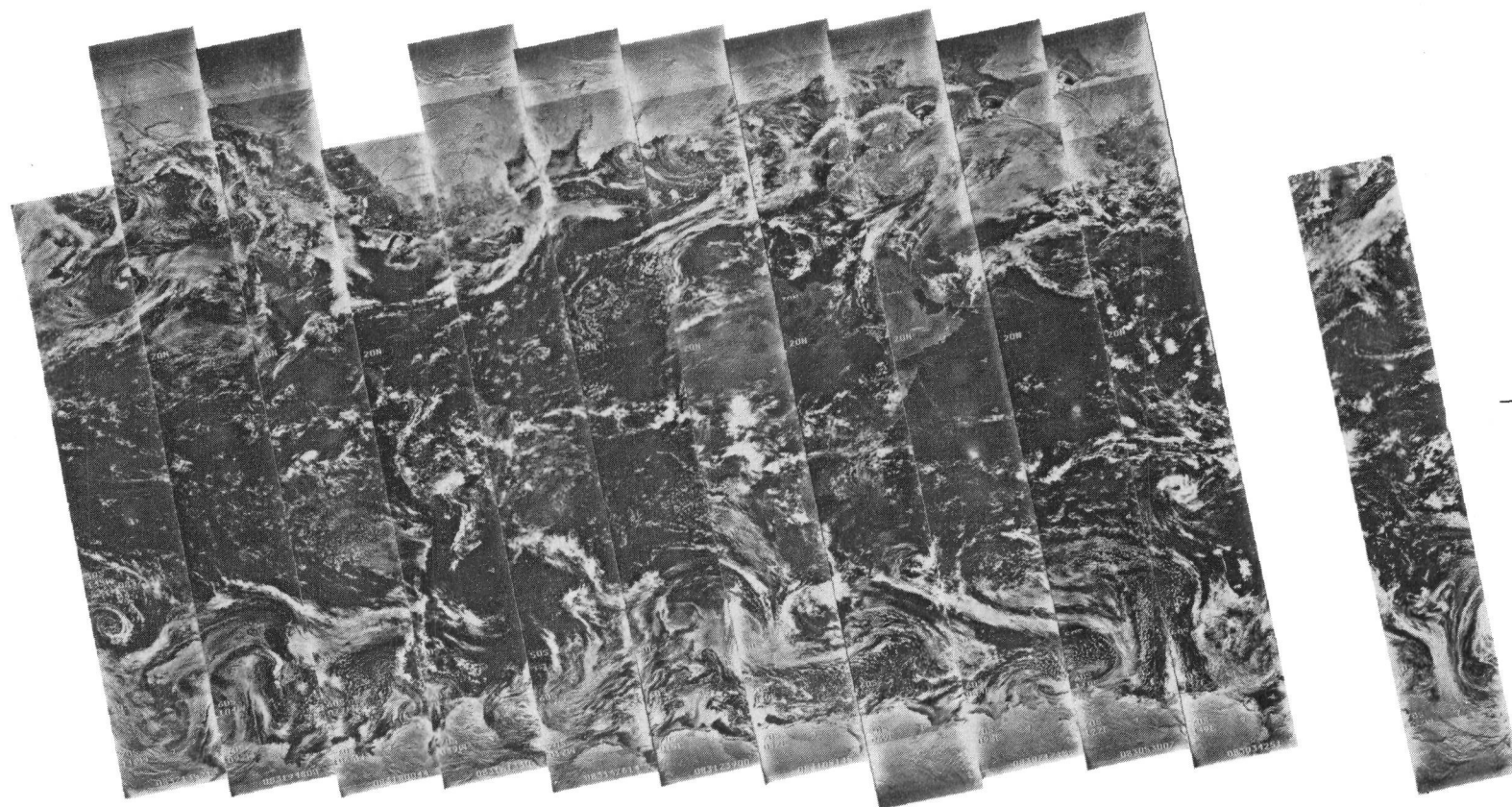


4695 4694 4693 4692 4691 4690 4689 4688 4687 4686 4685 4684 4683

23 MARCH 1971

3-25

T



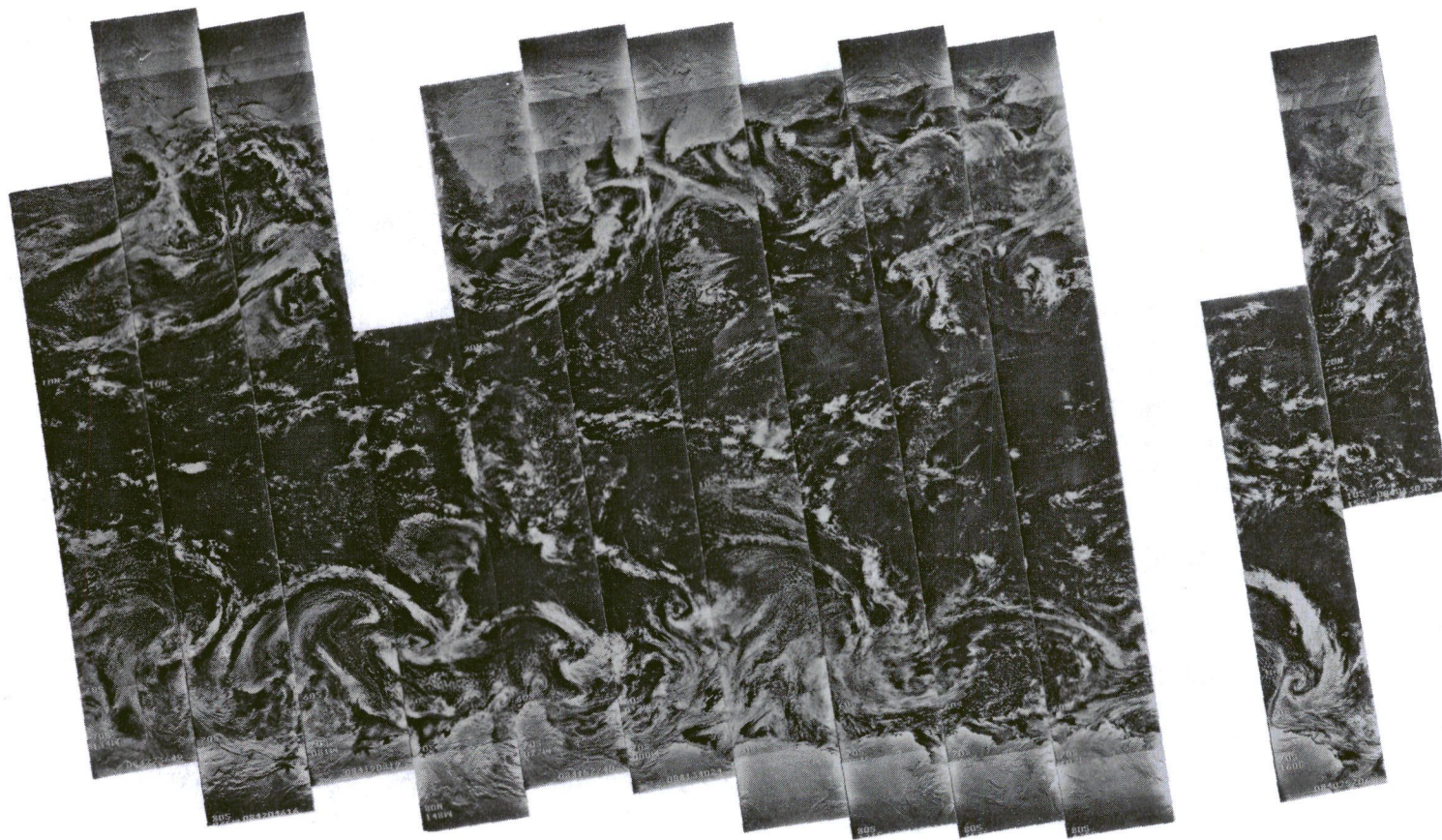
T

4709 4708 4707 4706 4705 4704 4703 4702 4701 4700 4699 4698 4697 4696

24 MARCH 1971

3-26

+

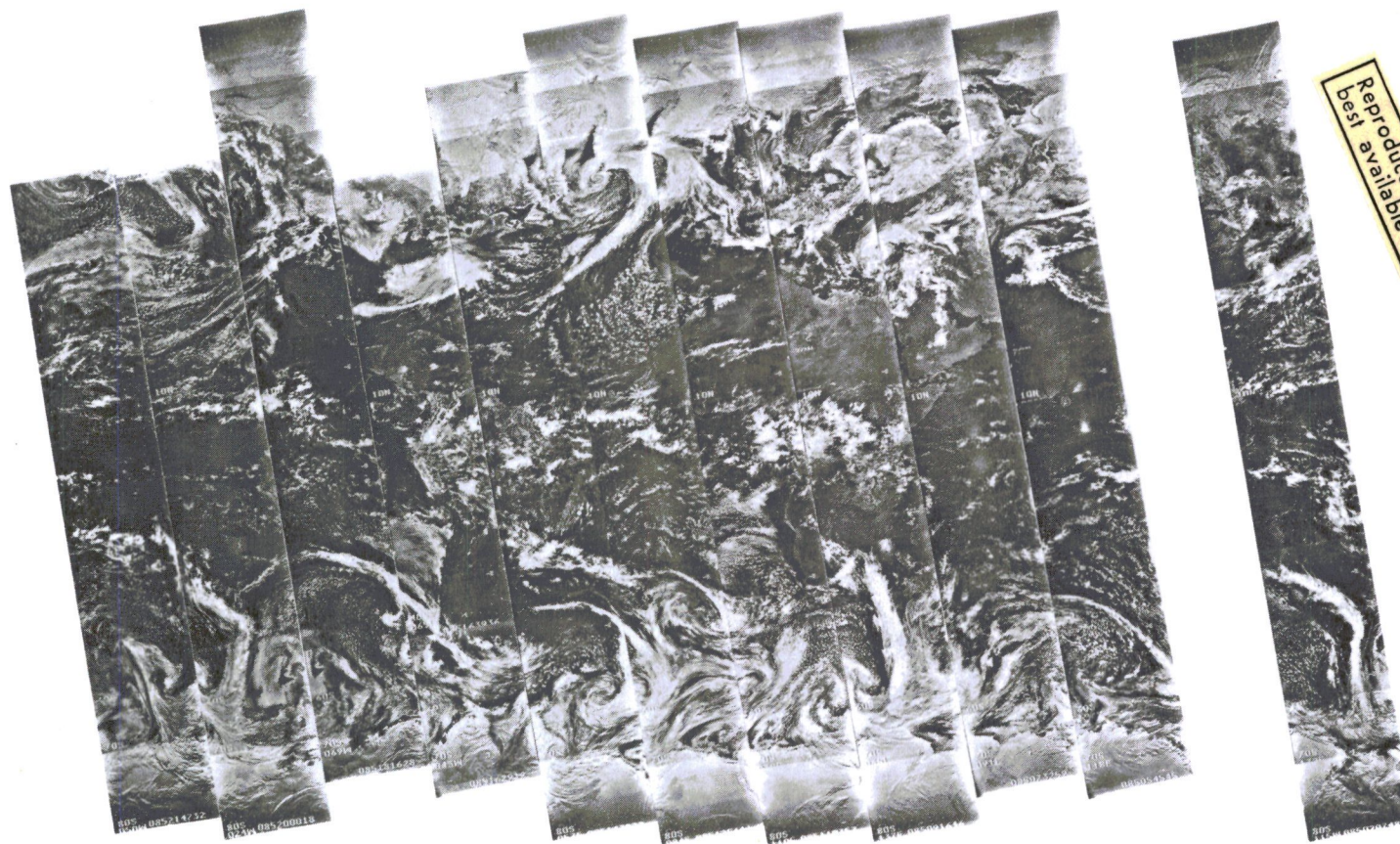


+

4722 4721 4720 4719 4718 4717 4716 4715 4714 4713 4712 4711 4710

25 MARCH 1971

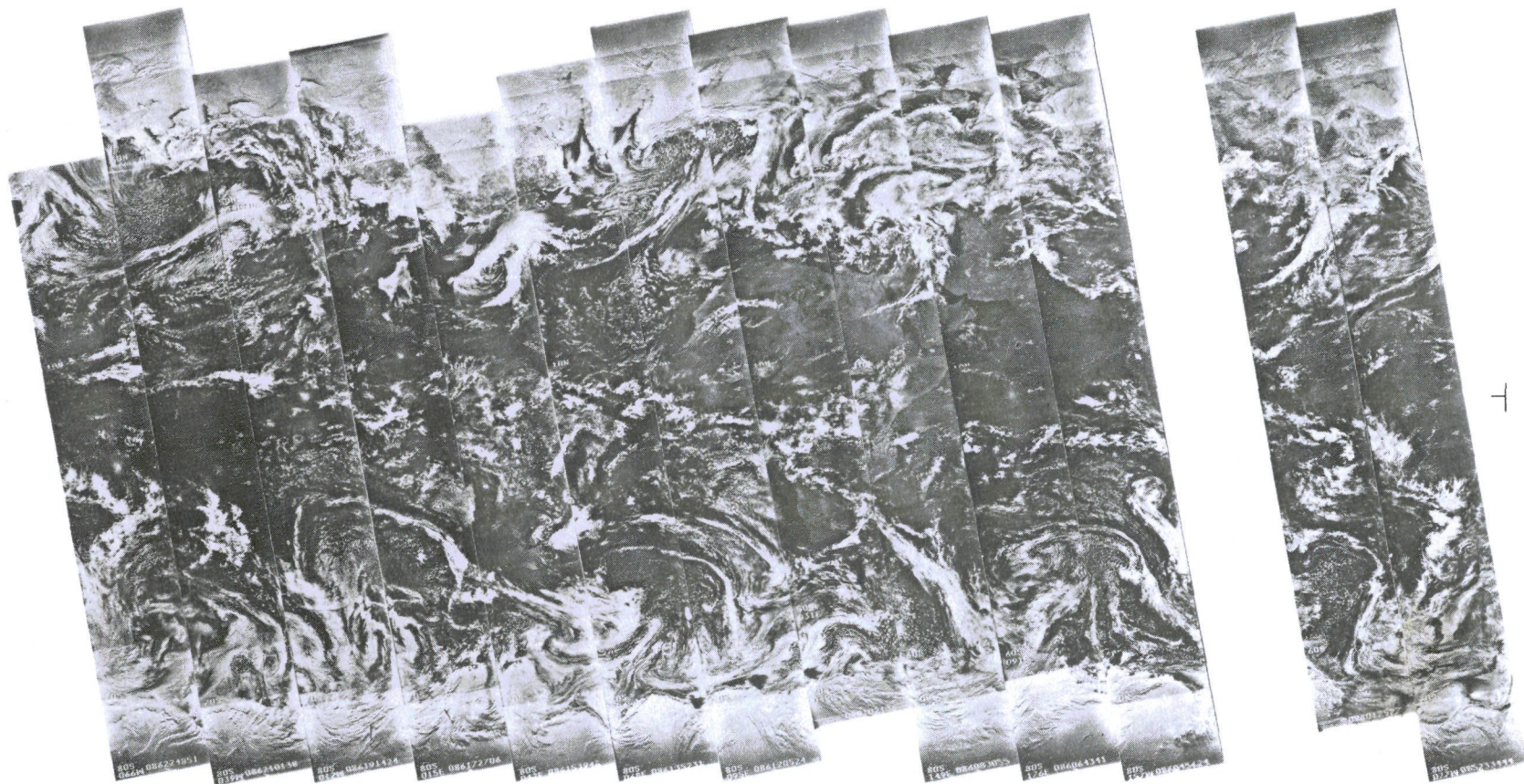
C-2



Reproduced from
best available copy.

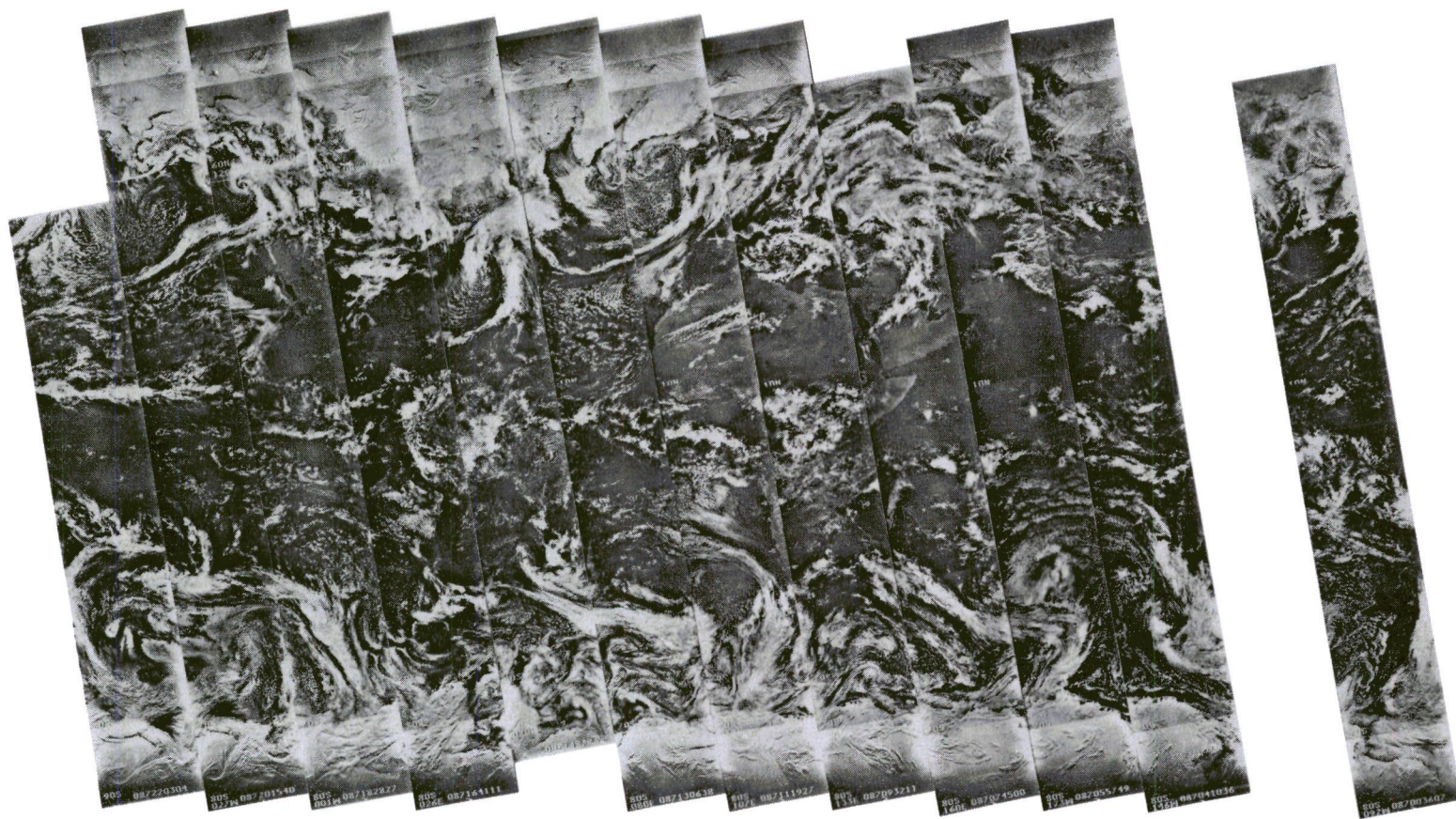
4735 4734 4733 4732 4731 4730 4729 4728 4727 4726 4725 4724 4723

26 MARCH 1971



4749 4748 4747 4746 4745 4744 4743 4742 4741 4740 4739 4738 4737 4736

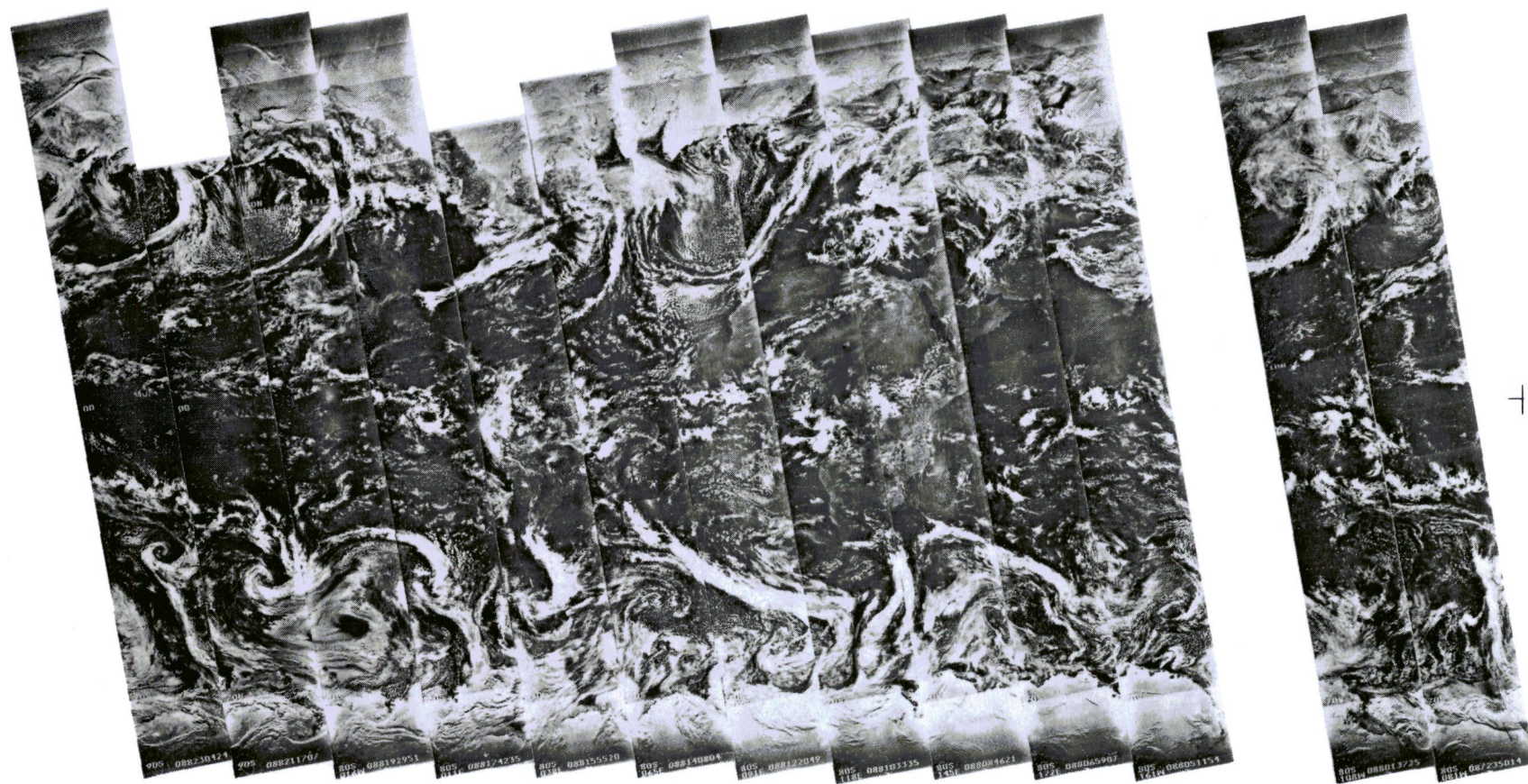
27 MARCH 1971



4762 4761 4760 4759 4758 4757 4756 4755 4754 4753 4752 4751 4750

28 MARCH 1971

3-30

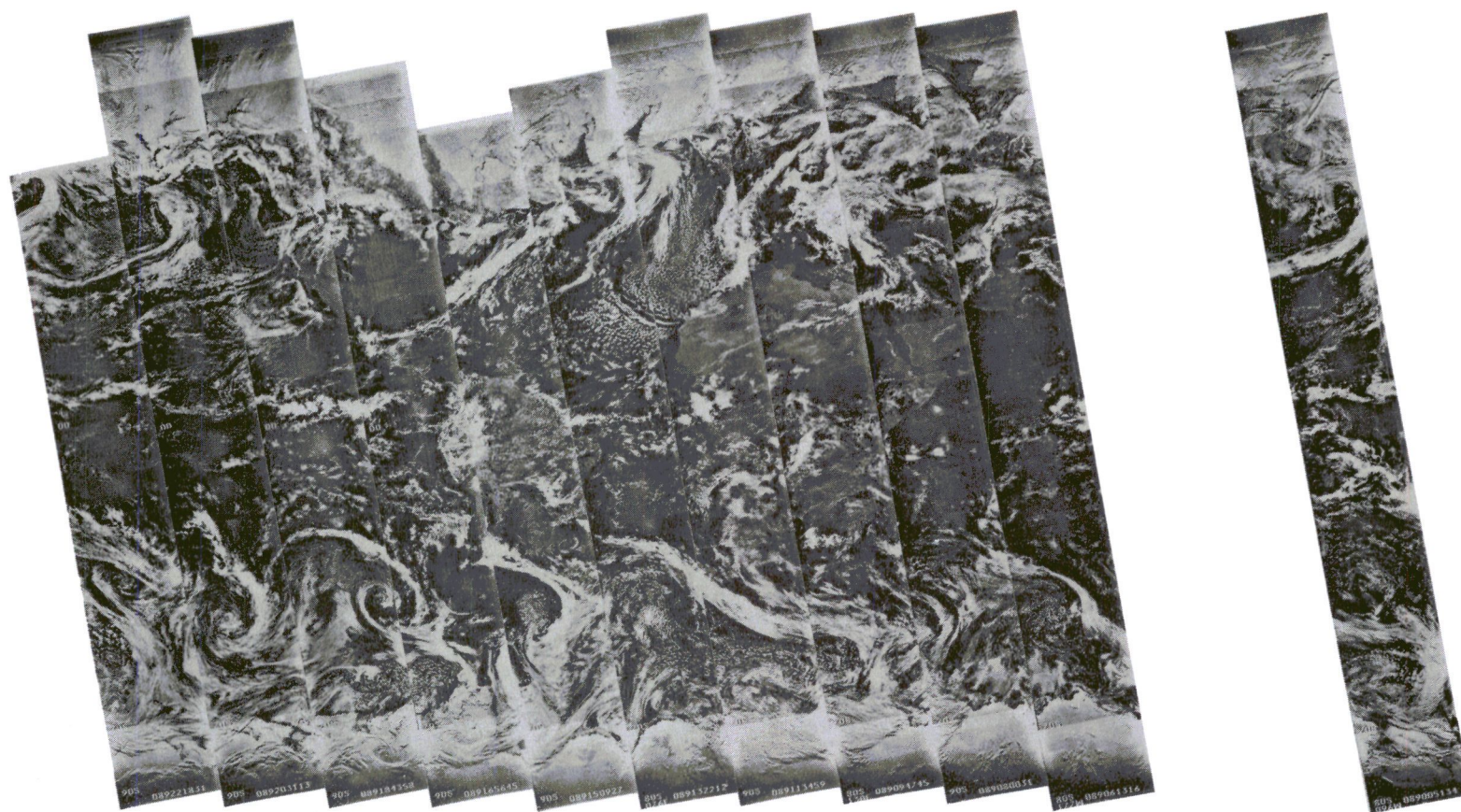


4776 4775 4774 4773 4772 4771 4770 4769 4768 4767 4766 4765 4764 4763

29 MARCH 1971

3-31

+

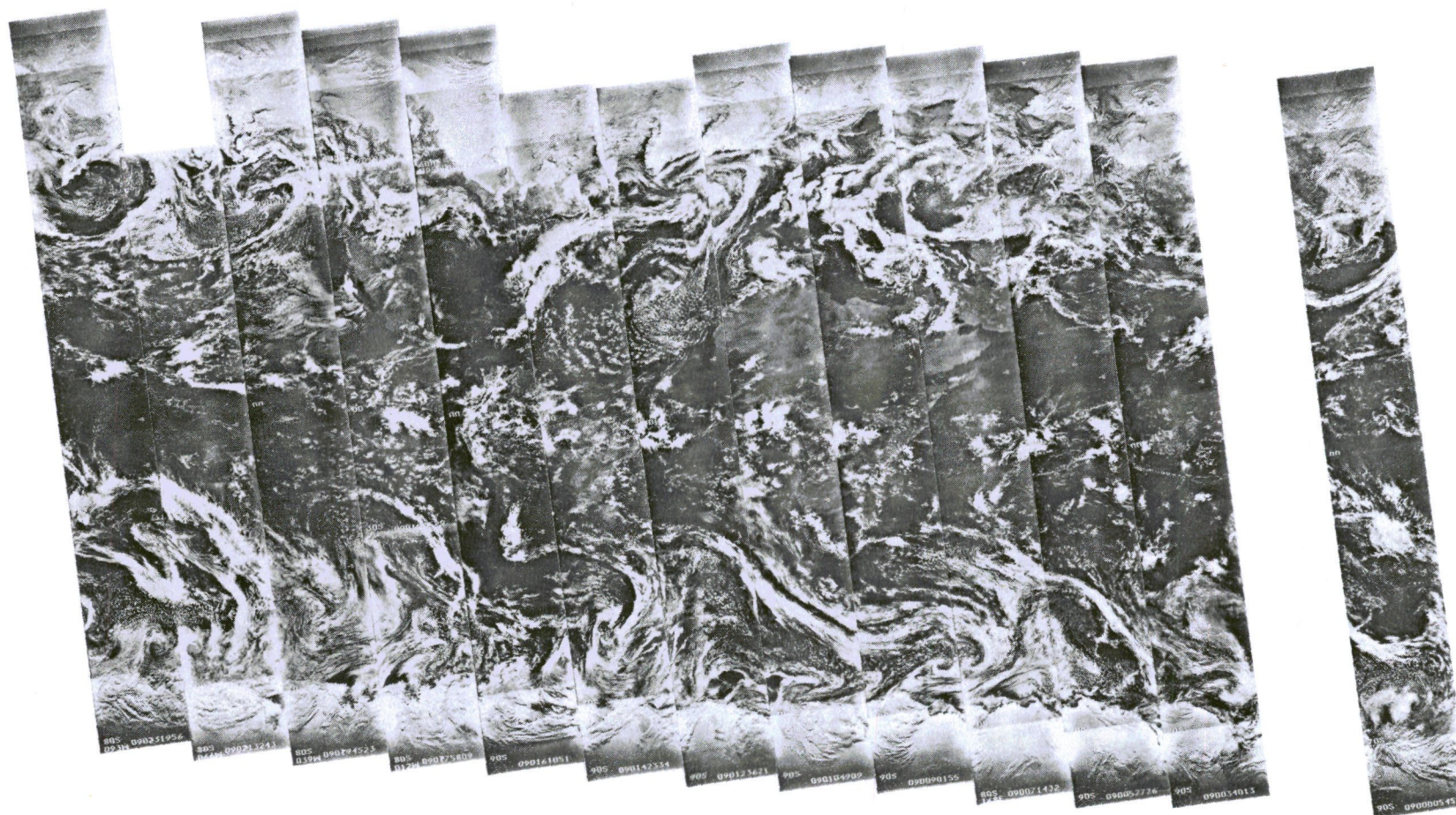


+

4789 4788 4787 4786 4785 4784 4783 4782 4781 4780 4779 4778 4777

30 MARCH 1971

3-32

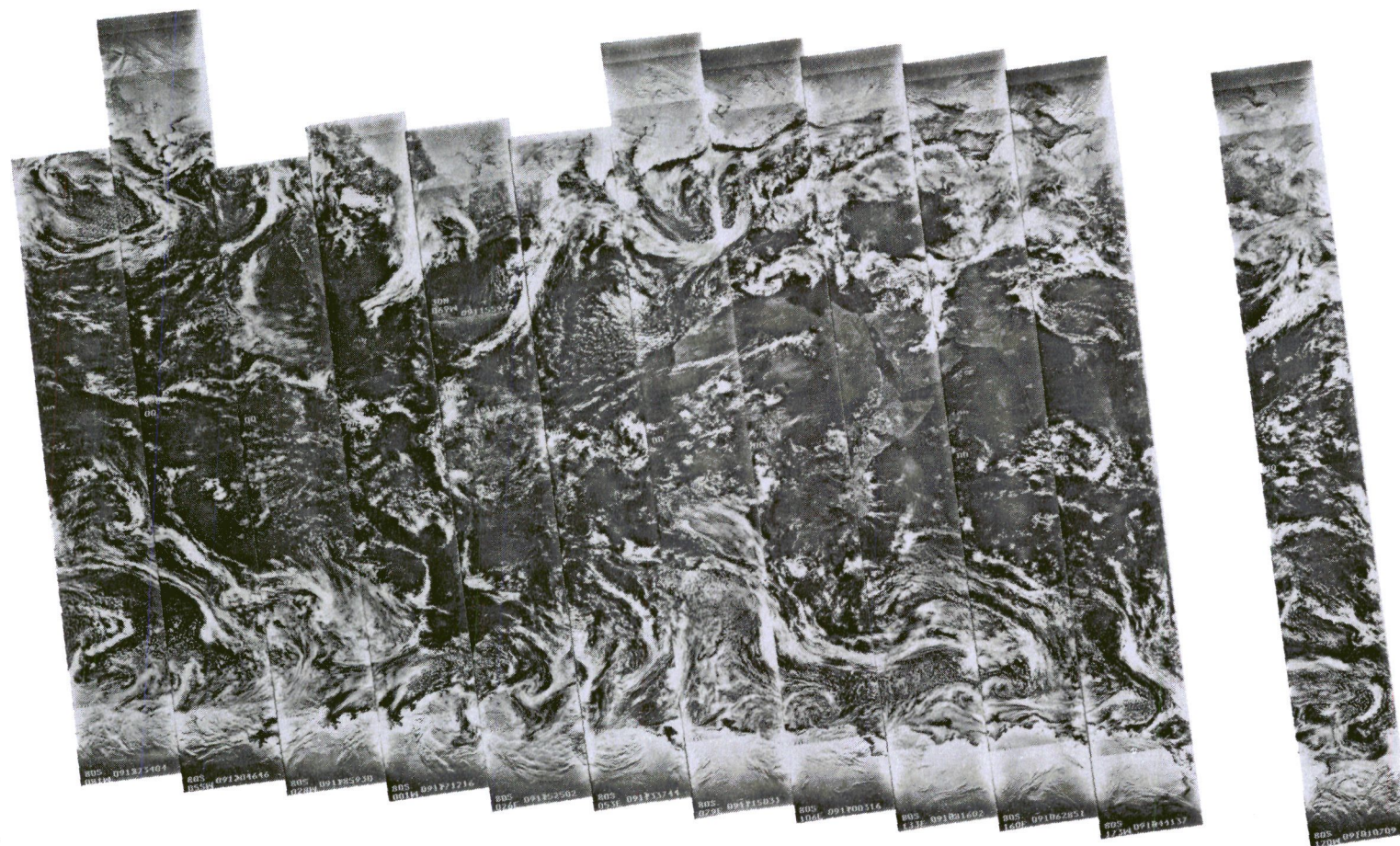


4803 4802 4801 4800 4799 4798 4797 4796 4795 4794 4793 4792 4791 4790

31 MARCH 1971

3-33

T

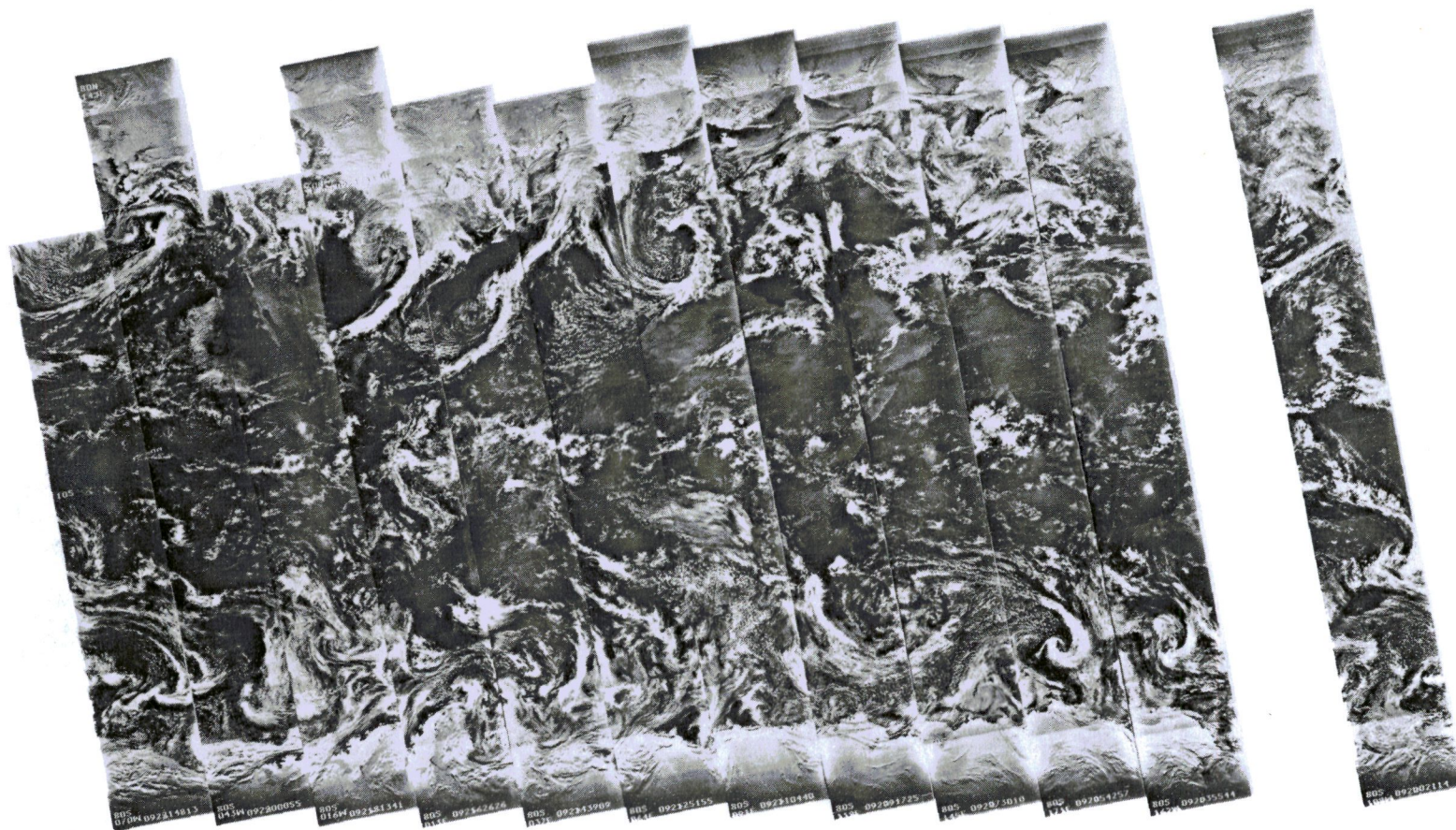


4816 4815 4814 4813 4812 4811 4810 4809 4808 4807 4806 4805 4804

1 APRIL 1971

T

3-34

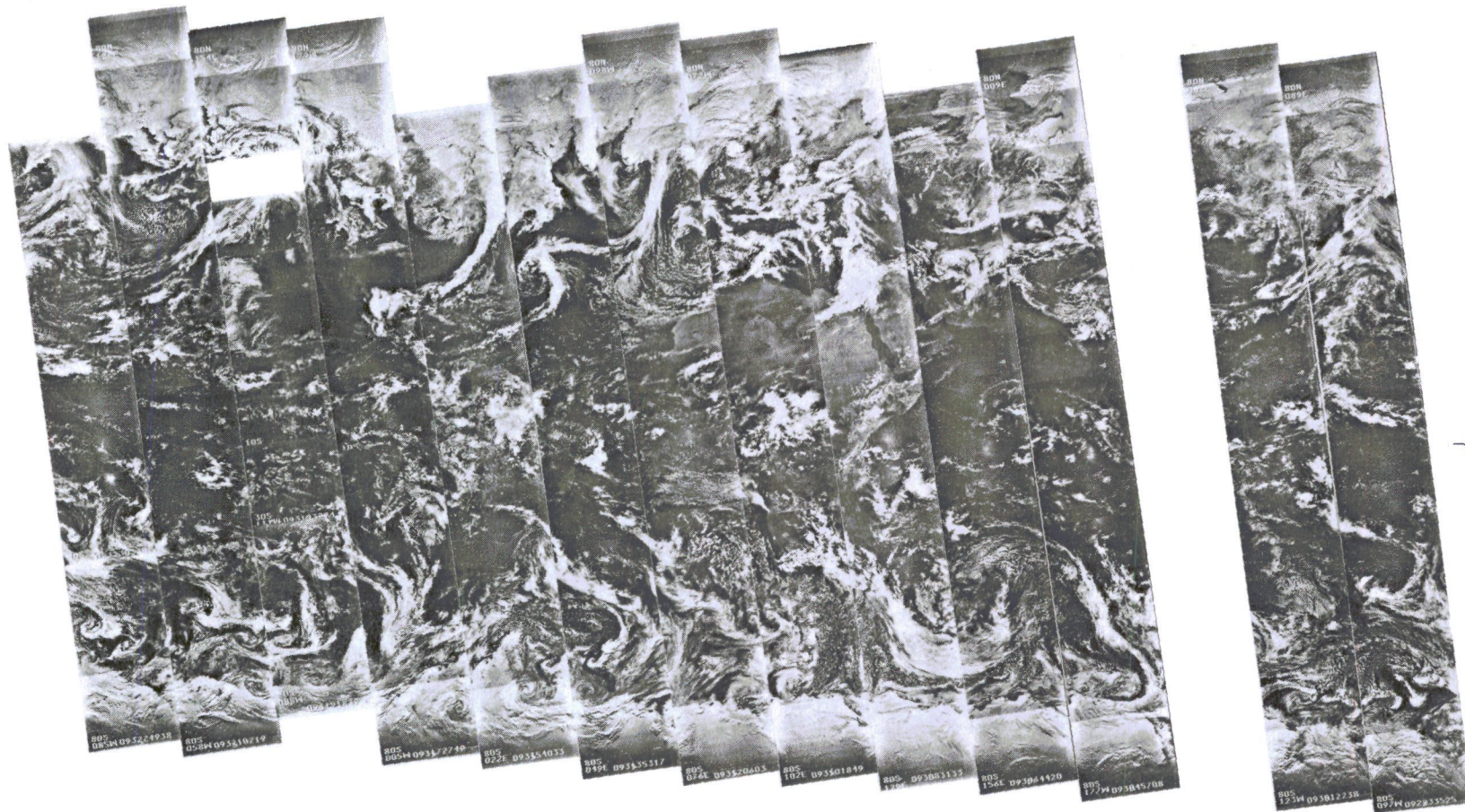


4829 4828 4827 4826 4825 4824 4823 4822 4821 4820 4819 4818 4817

2 APRIL 1971

3-35

T

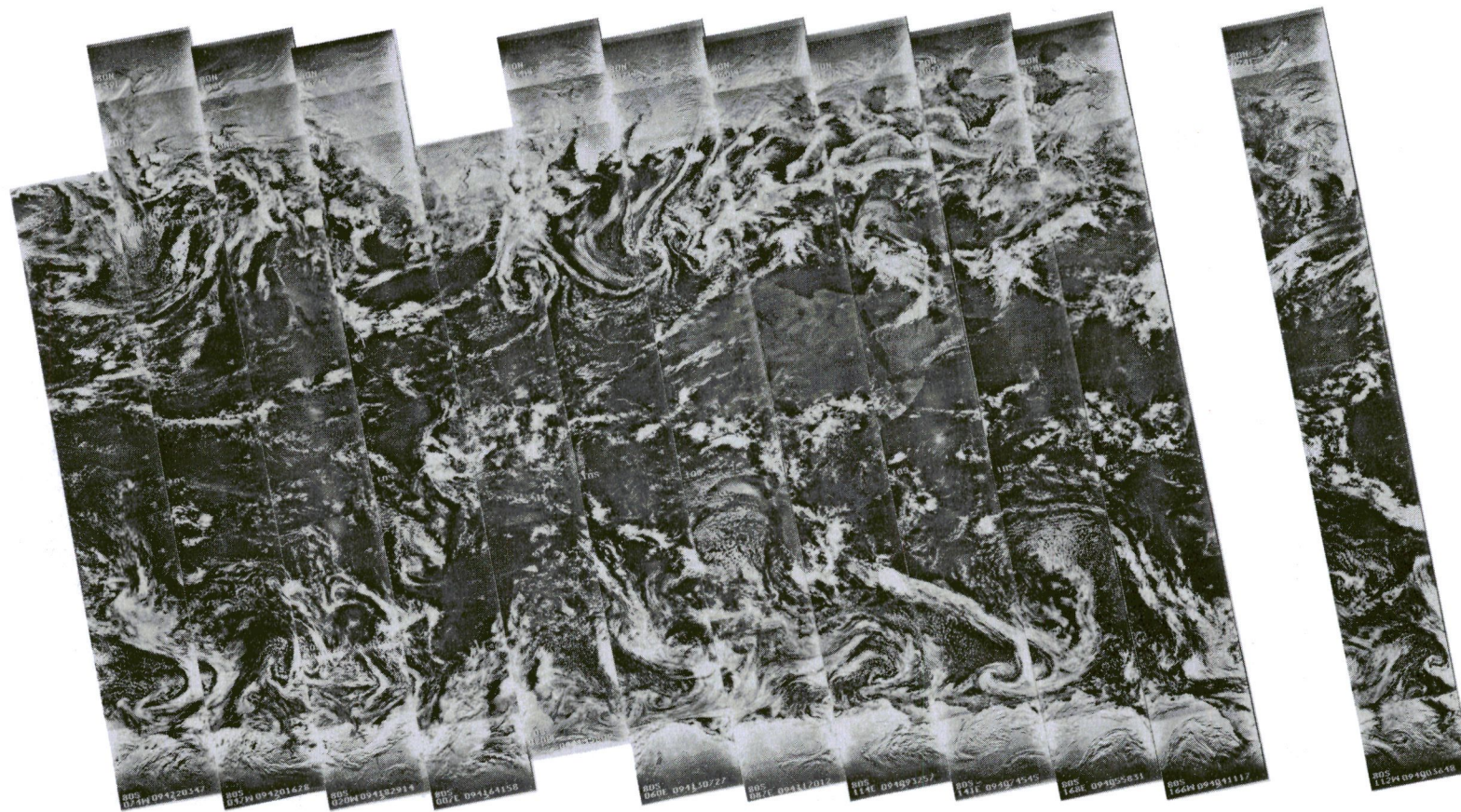


T

4843 4842 4841 4840 4839 4838 4837 4836 4835 4834 4833 4832 4831 4830
3 APRIL 1971

8-36

T

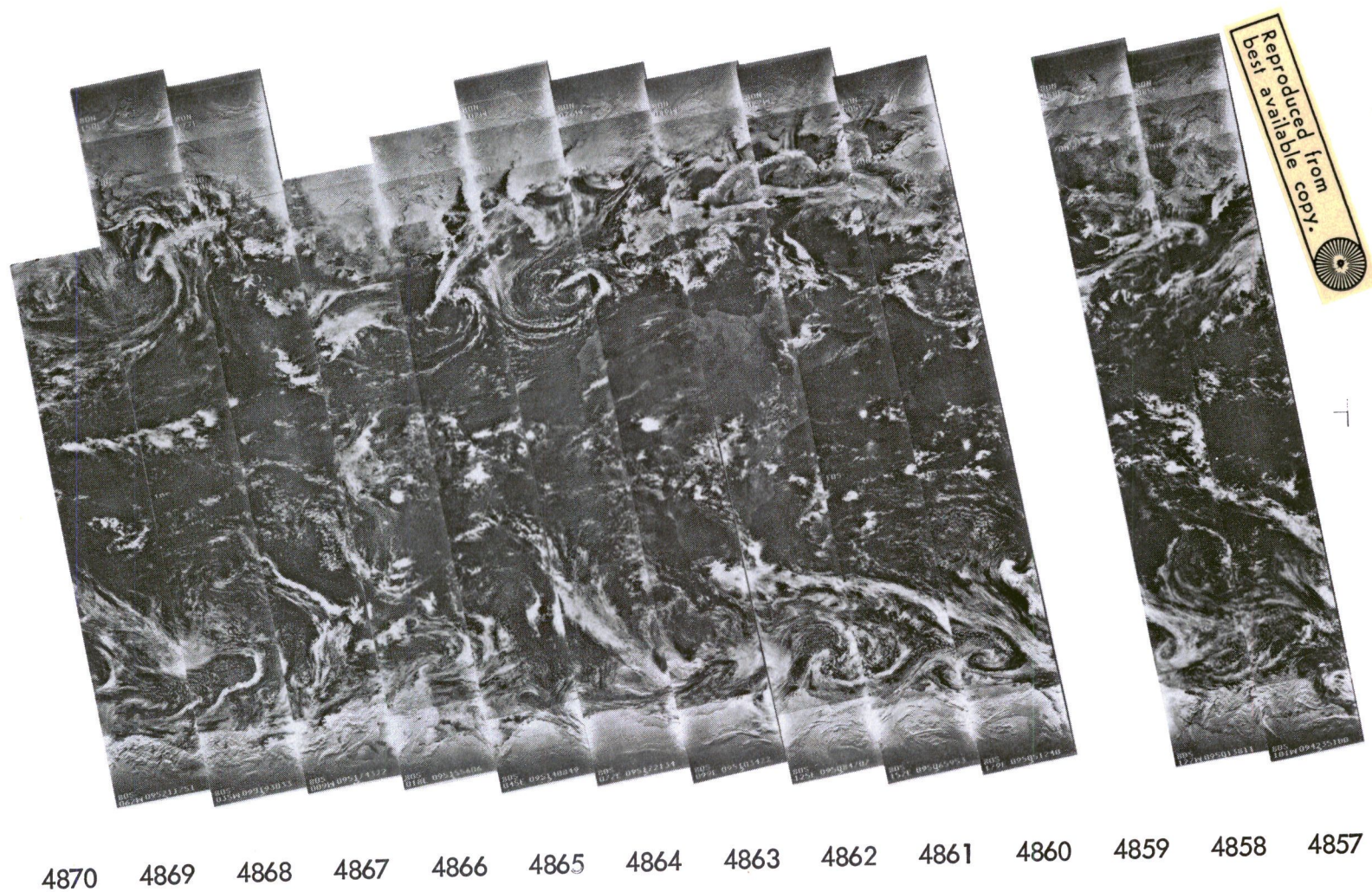


T

4856 4855 4854 4853 4852 4851 4850 4849 4848 4847 4846 4845 4844

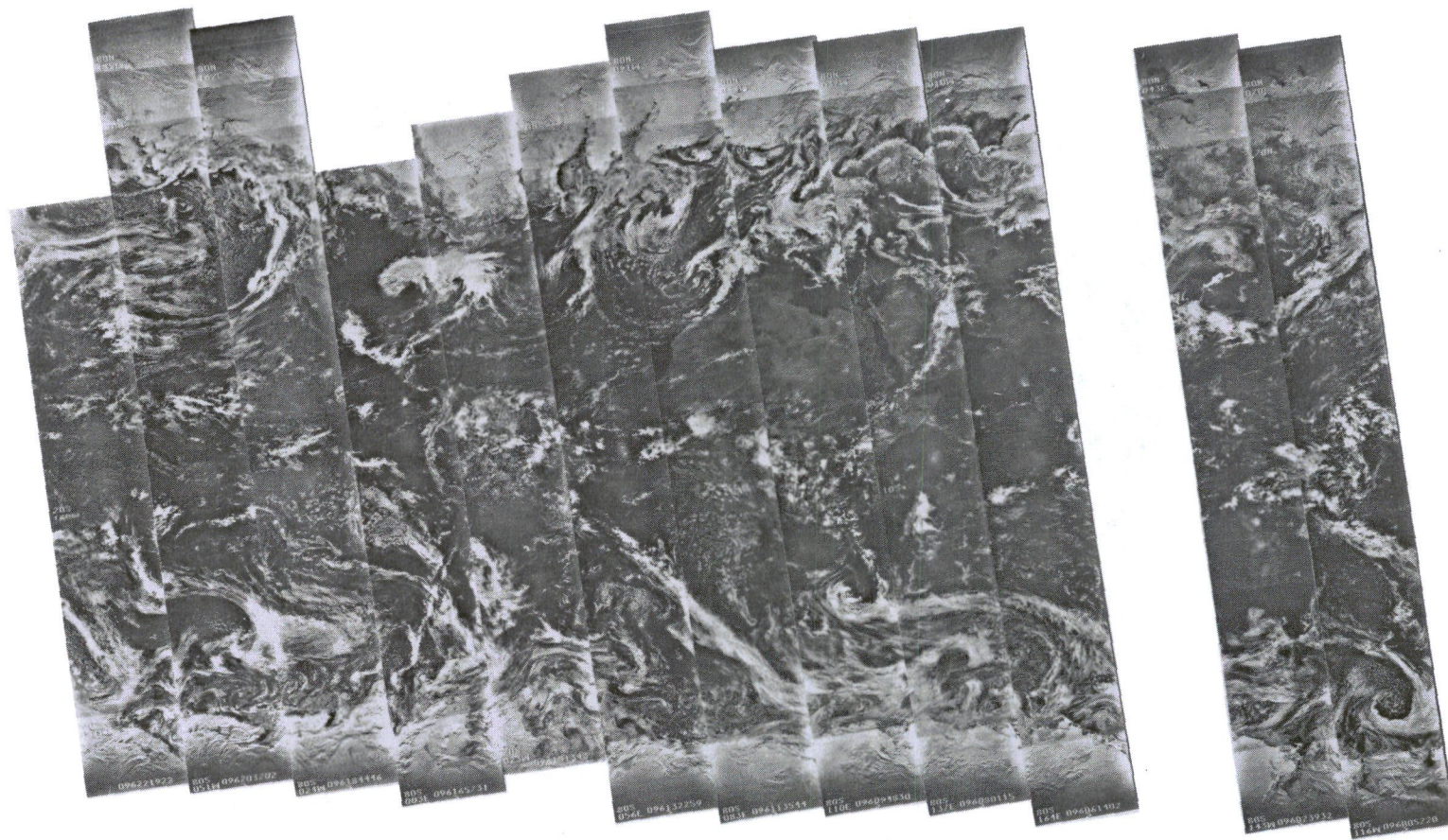
4 APRIL 1971

3-37



5 APRIL 1971

3-38

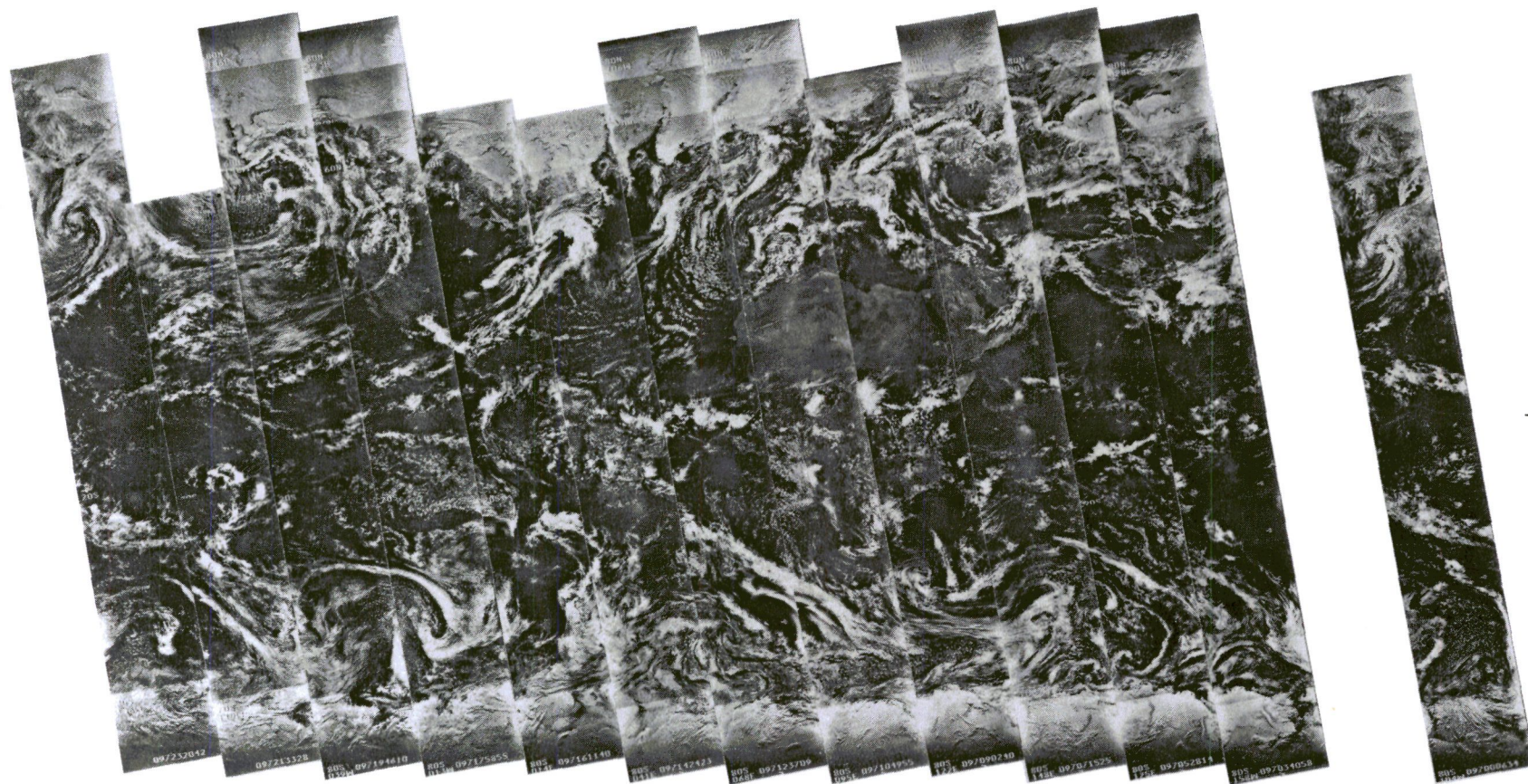


4883 4882 4881 4880 4879 4878 4877 4876 4875 4874 4873 4872 4871

6 APRIL 1971

3-39

+



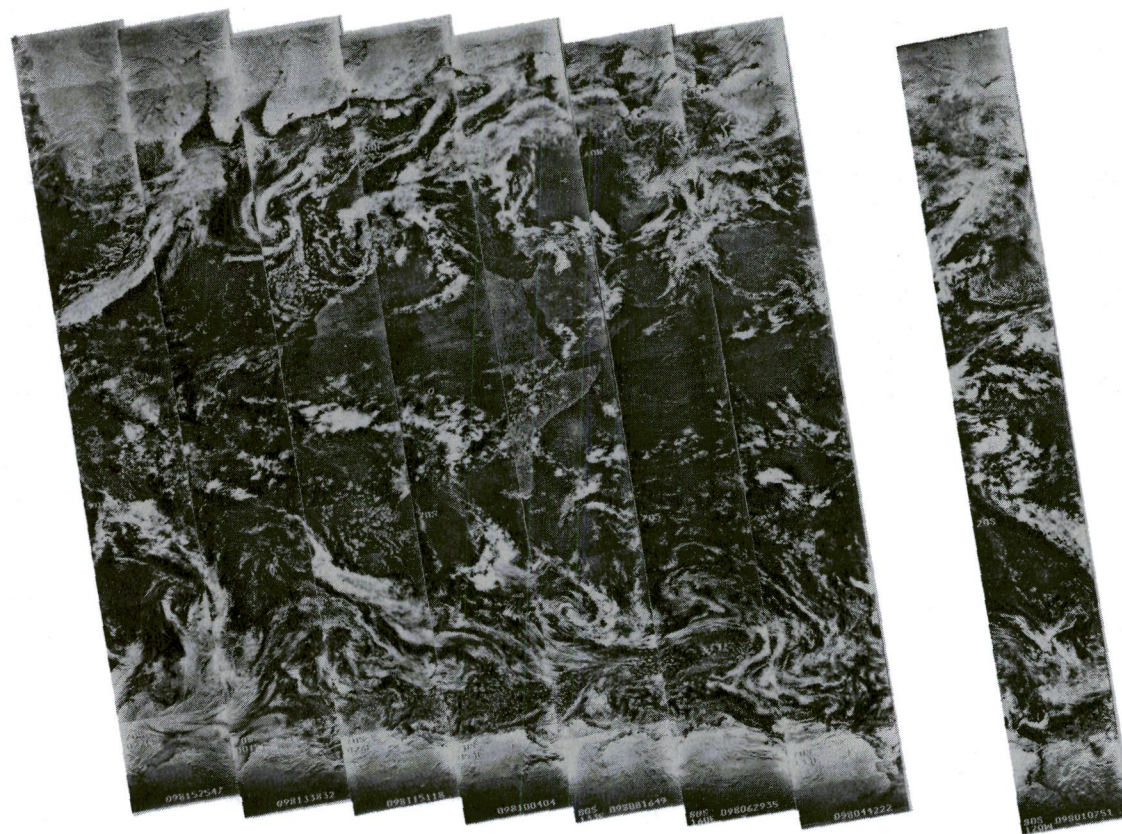
4897 4896 4895 4894 4893 4892 4891 4890 4889 4888 4887 4886 4885 4884

7 APRIL 1971

+

3-40

+



+

4910 4909 4908 4907 4906 4905 4904 4903 4902 4901 4900 4899 4898

8 APRIL 1971

SECTION 4

TEMPERATURE-HUMIDITY INFRARED RADIOMETER MONTAGES

This section pictorially documents the data from the Temperature-Humidity Infrared Radiometer (THIR) experiment carried on the Nimbus 4 Meteorological Satellite. Section 4.1 contains all nighttime THIR 11.5 and 6.7 micrometer montages and Section 4.2 contains all daytime THIR 11.5 micrometer montages, arranged in chronological order. No daytime 6.7 micrometer montages are shown since this channel was on only for the brief periods shown in Section 4-2. Key latitudes can be read from the superposed grids. Grid points are identified where each swath crosses 60°N, 30°N, EQUATOR, 30°S and 60°S.

Vellum Location Guide overlays, attached to the back of this document, are to be used for general orientation with the data presented in each THIR montage. Proper alignment of the overlay grid is accomplished by matching the grid indices on the equator with the two "T" marks on each montage.

Each THIR montage is provided with a time scale to determine the Universal Time limits required to order processed THIR grid print maps (see p. 57 Nimbus IV User's Guide). The time scale determines the number of minutes from ascending (daytime data) or descending (nighttime data) node time for the interval of data required. To obtain the Universal Time for daytime data, the measured time is to be added to the ascending node time in the northern hemisphere and subtracted in the southern hemisphere. For nighttime data, the measured time is to be subtracted from the descending node time in the northern hemisphere and added in the southern hemisphere. The ascending and descending node times are given in Section 2.

The following alternate procedure also establishes Universal Time limits. Knowing the latitude limits of the study area, the minutes from ascending or descending node can be directly interpolated from Table 4-1. These time values can then be added to or subtracted from node times given in Section 2.

A description of the THIR experiment and instructions for ordering THIR data may be found in the Nimbus IV User's Guide, Section 3.

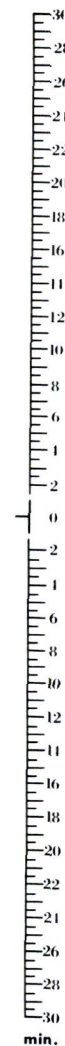
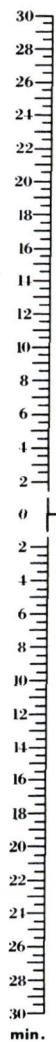
Table 4-1

Latitude Versus Minutes from
Ascending or Descending Node

Latitude from AN or DN	Minutes and Seconds from AN or DN
0	0:00
5	1:31
10	3:02
15	4:33
20	6:03
25	7:34
30	9:05
35	10:36
40	12:08
45	13:40
50	15:12
55	16:44
60	18:18
65	19:52
70	21:33
75	23:26
78	24:44
80.1	26:49
78	29:00
75	30:09
70	31:51
65	33:35

SECTION 4.1
TEMPERATURE HUMIDITY INFRARED RADIOMETER
NIGHTTIME MONTAGES

4-4



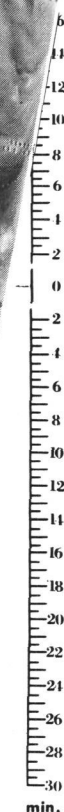
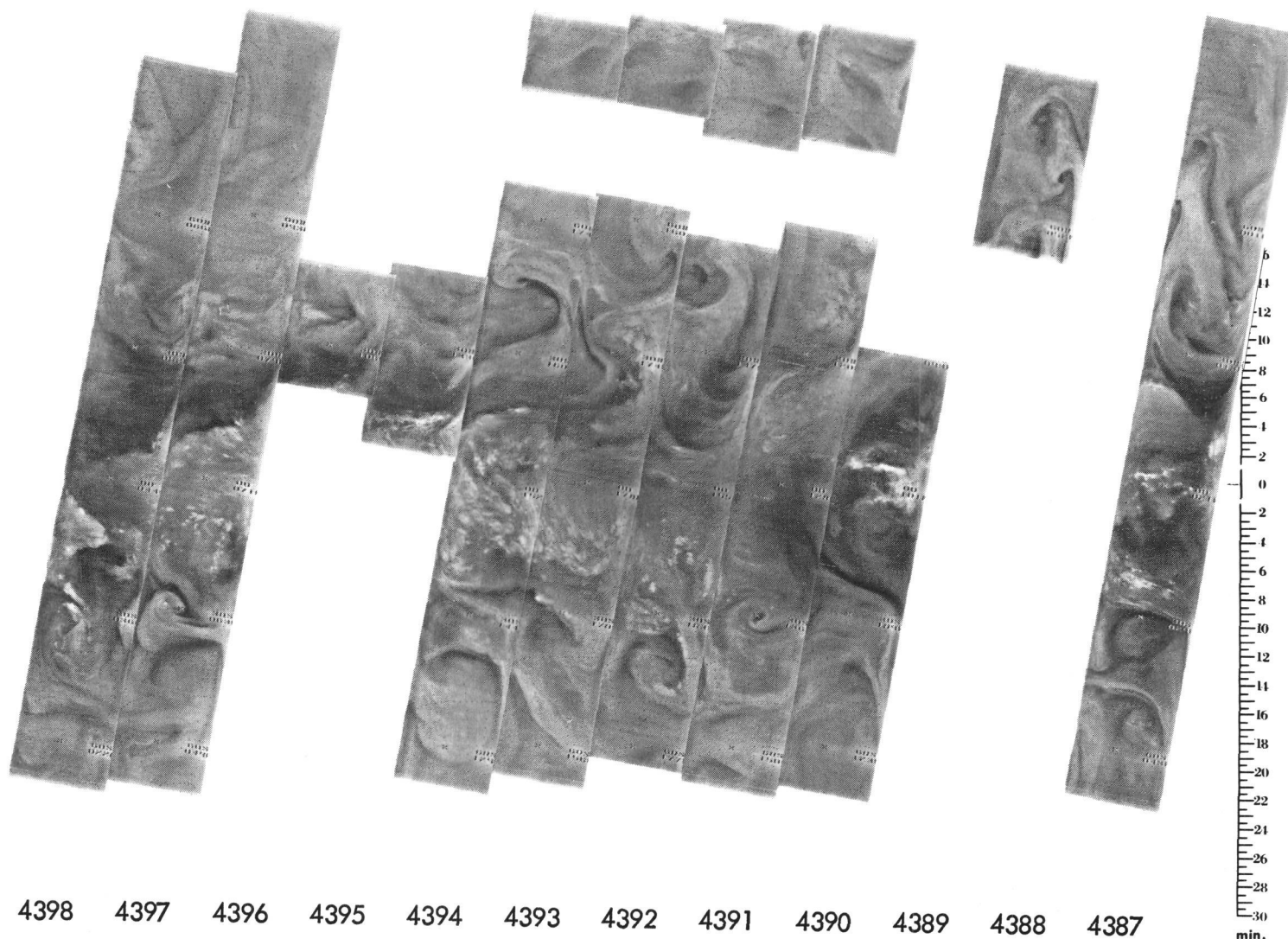
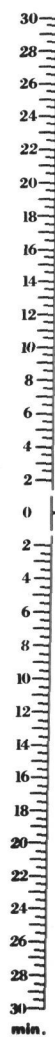
4400 4399 4398 4397 4396 4395 4394 4393 4392 4391 4390 4389 4388 4387

1 MARCH 1971

11.5 μ m



4-5

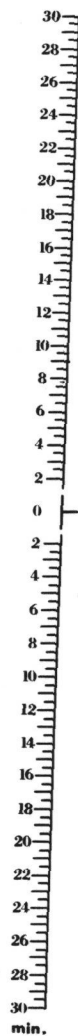


4400 4399 4398 4397 4396 4395 4394 4393 4392 4391 4390 4389 4388 4387

1 MARCH 1971

6.7 μ m

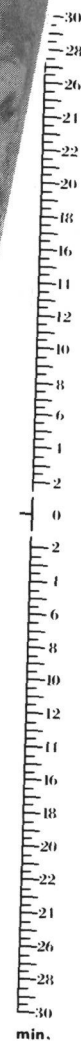
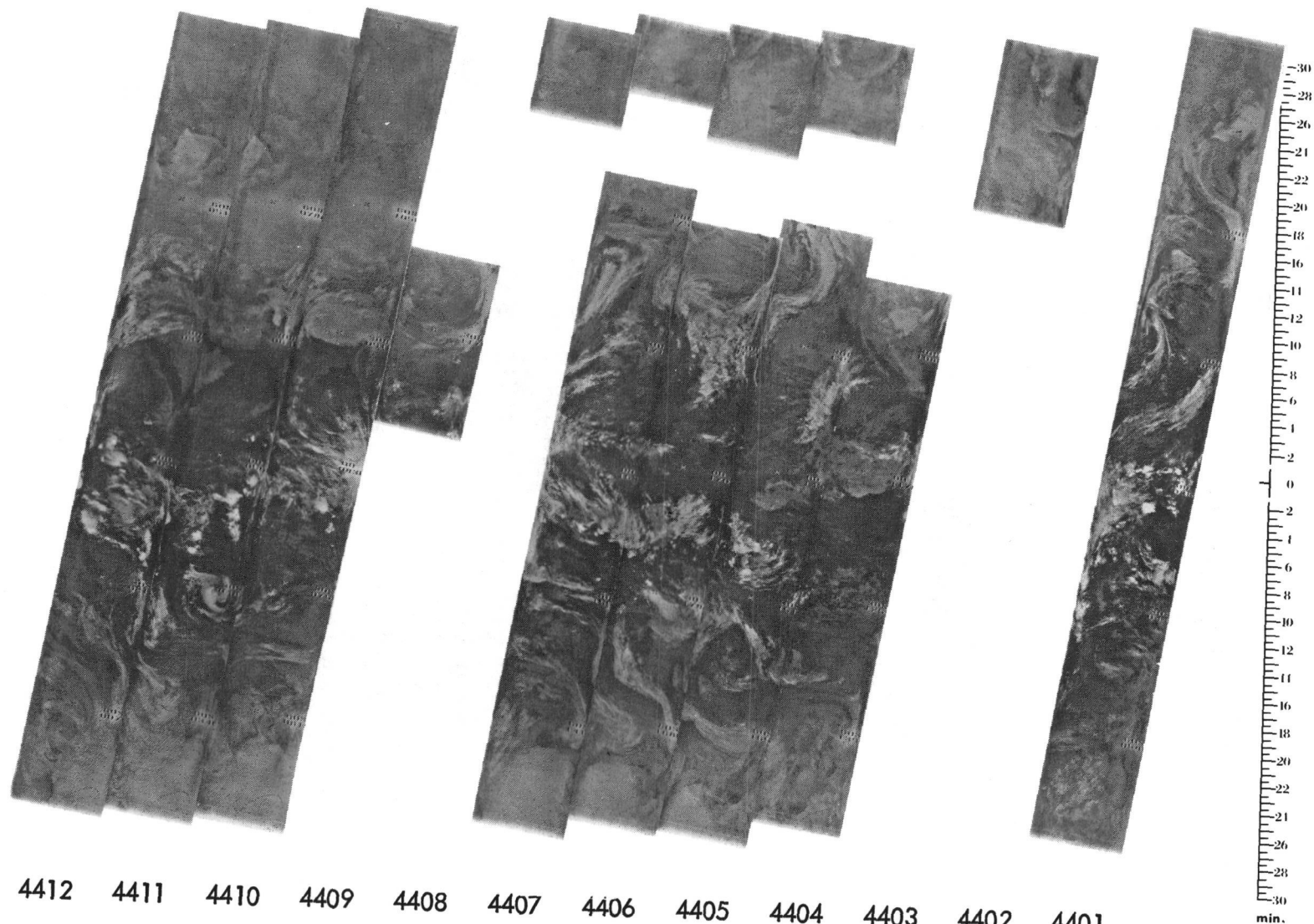
4-6



4413 4412 4411 4410 4409 4408 4407 4406 4405 4404 4403 4402 4401

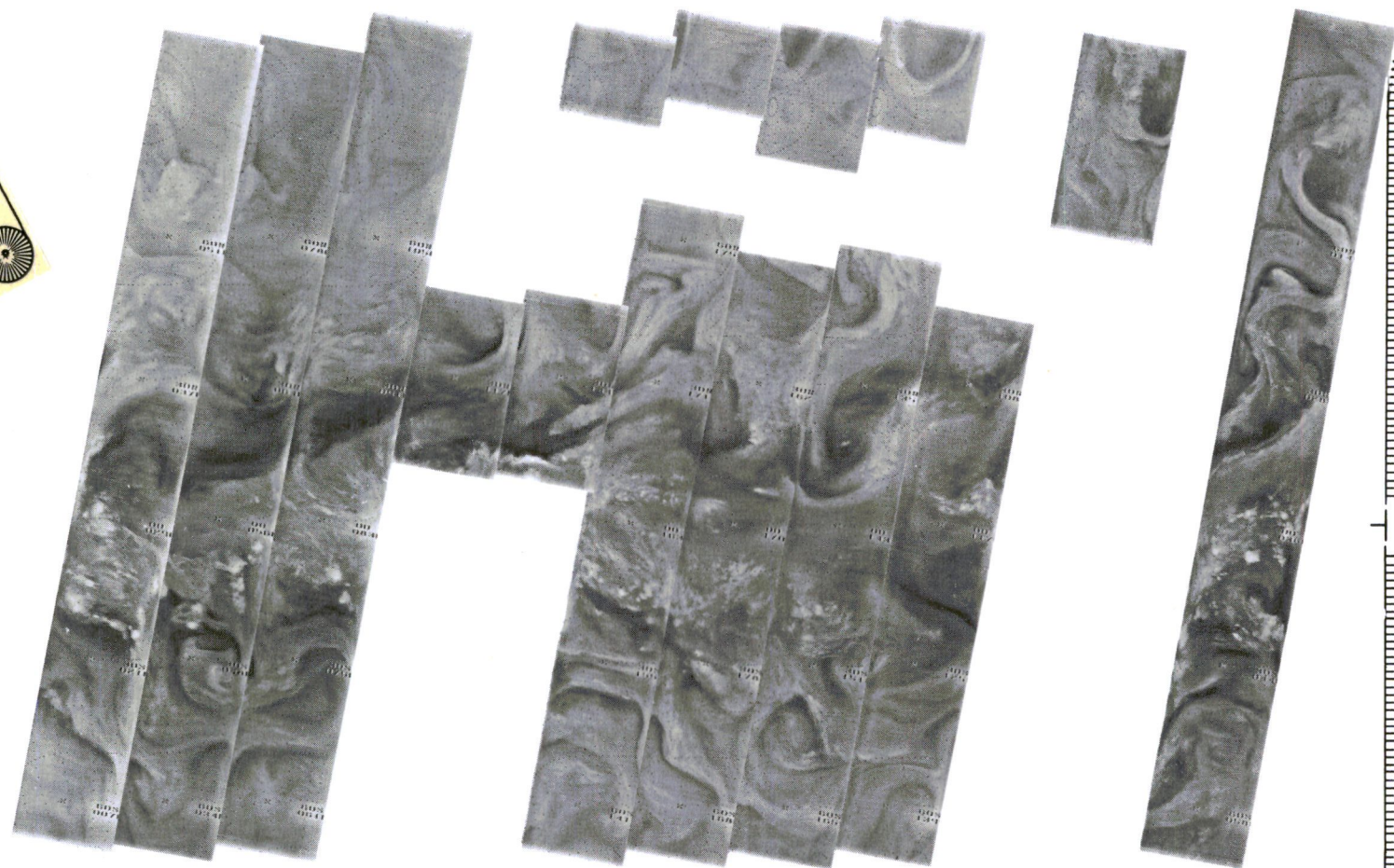
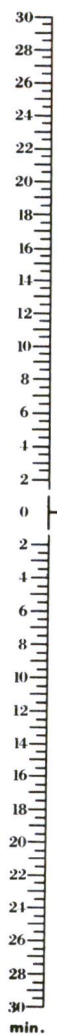
2 MARCH 1971

11.5 μ m



Reproduced from
best available copy.

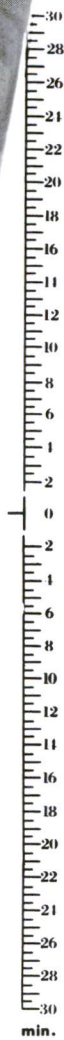
4-7



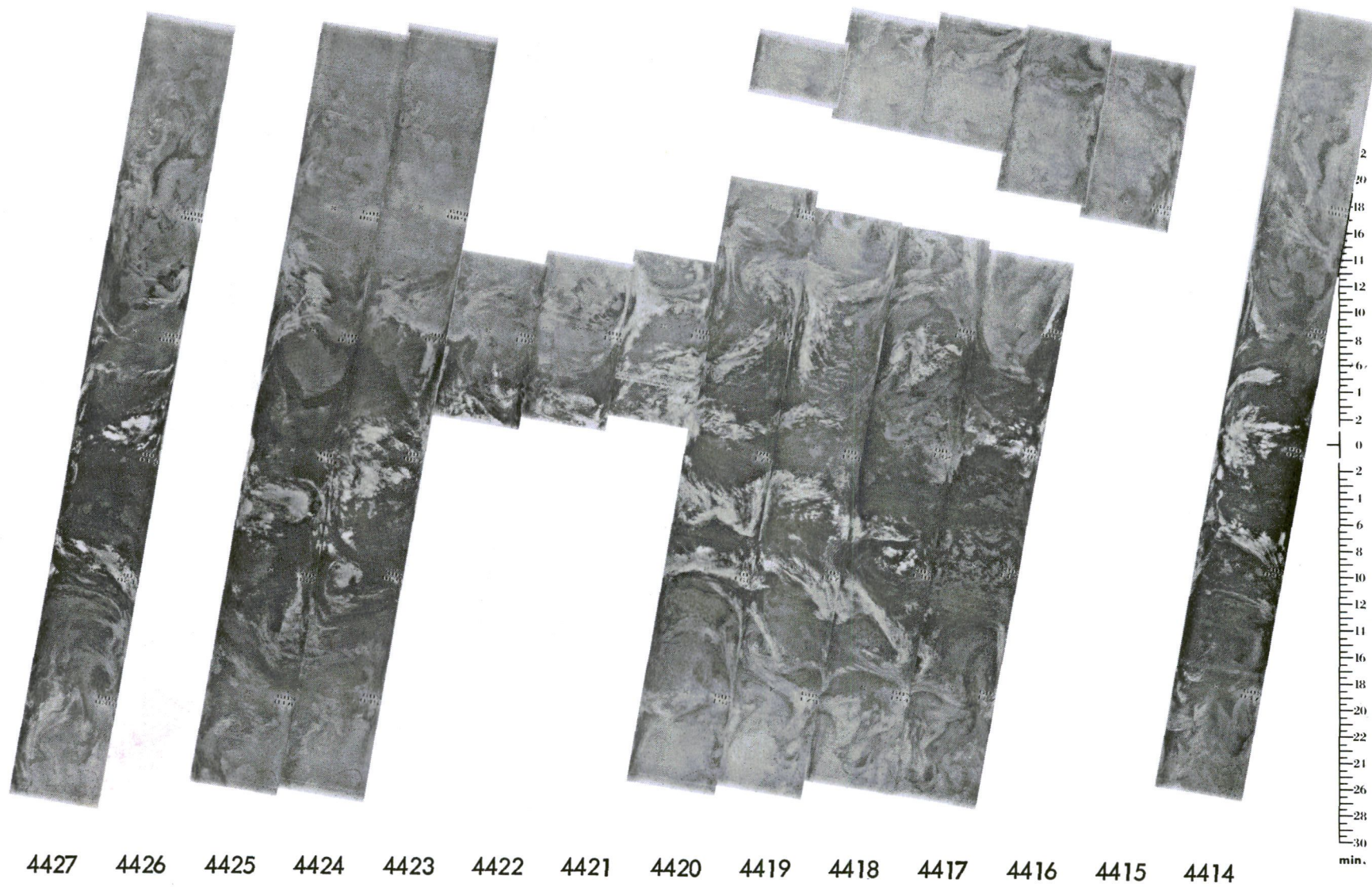
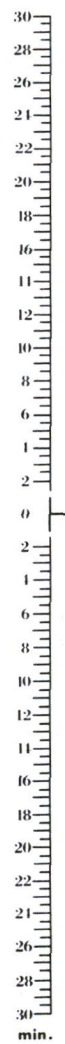
4413 4412 4411 4410 4409 4408 4407 4406 4405 4404 4403 4402 4401

2 MARCH 1971

6.7 μ m



4-8

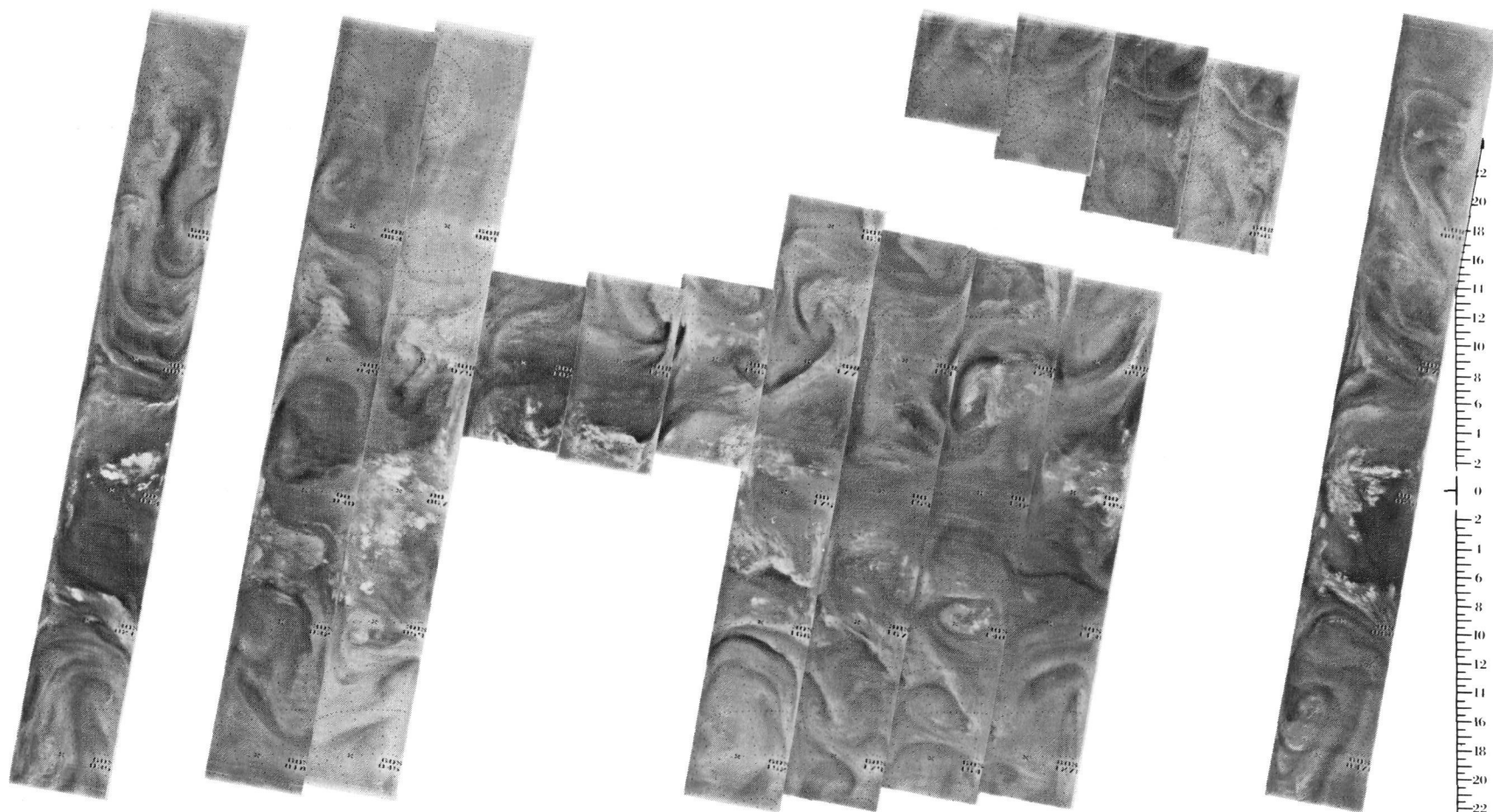


3 MARCH 1971

11.5 μm

4-9

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



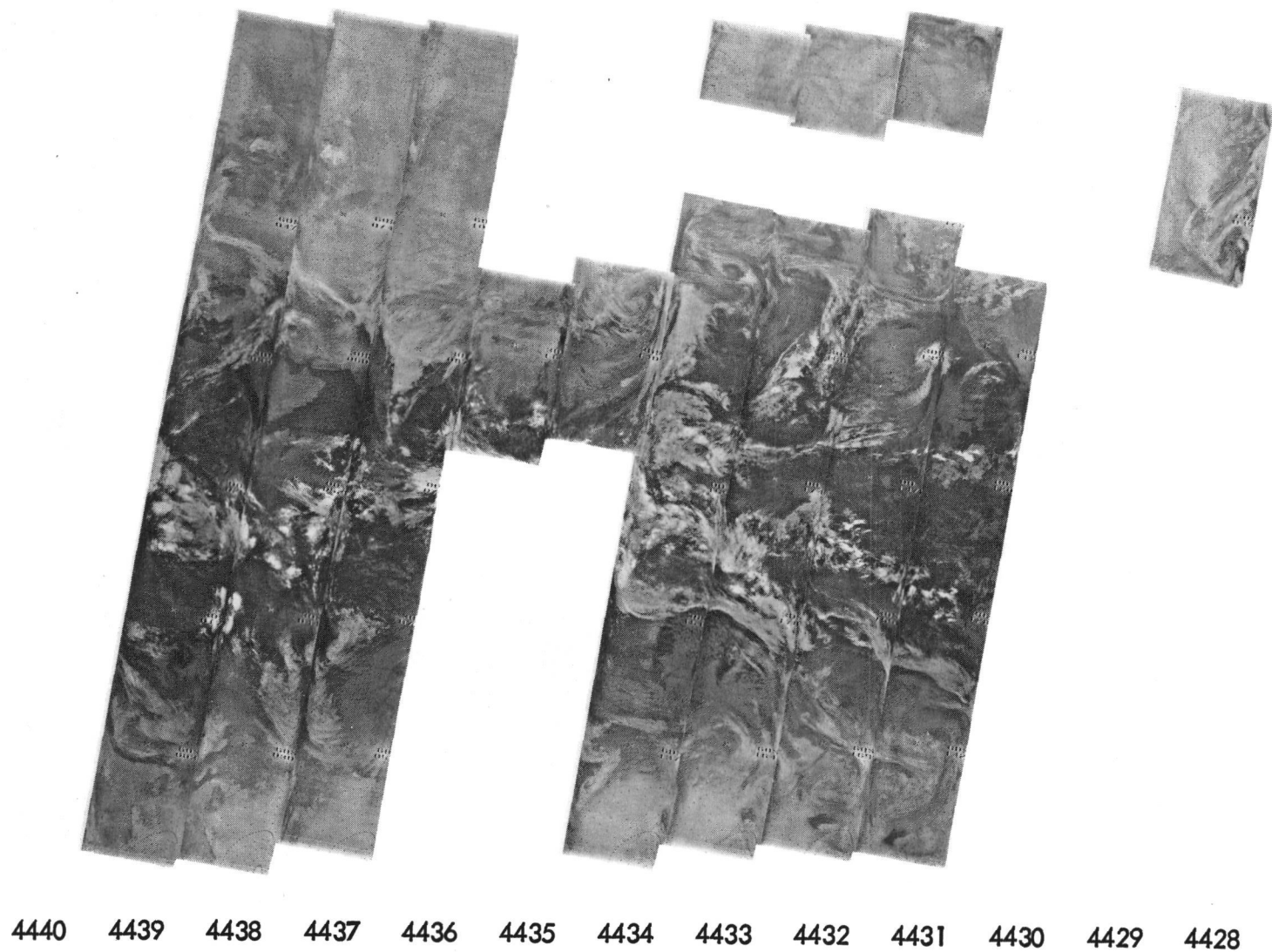
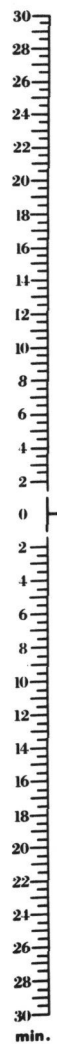
4427 4426 4425 4424 4423 4422 4421 4420 4419 4418 4417 4416 4415 4414

3 MARCH 1971

6.7 μ m

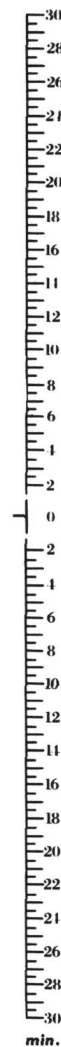
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4-10

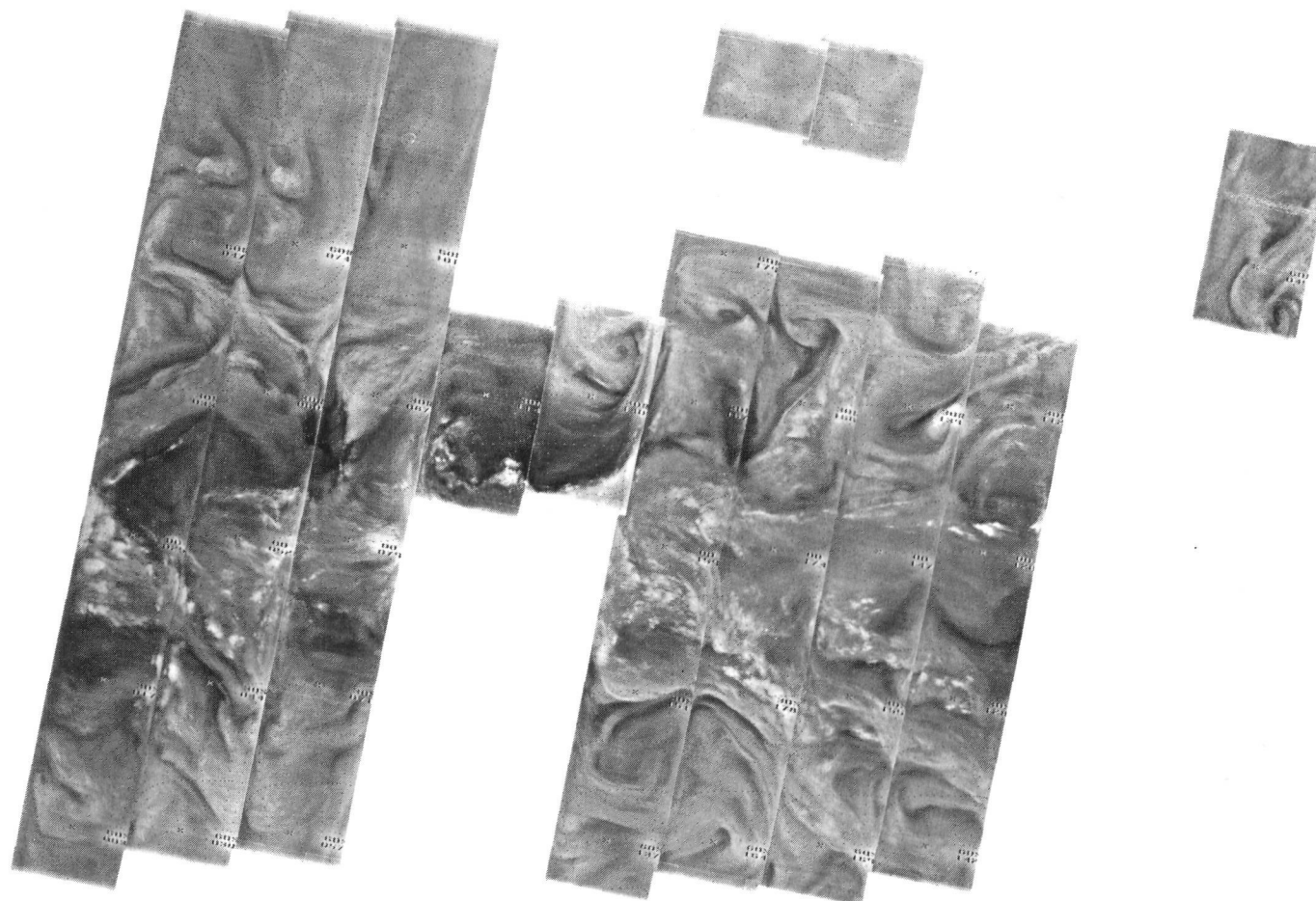
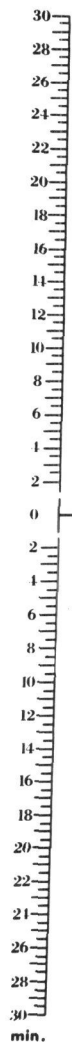


4 MARCH 1971

11.5 μ m



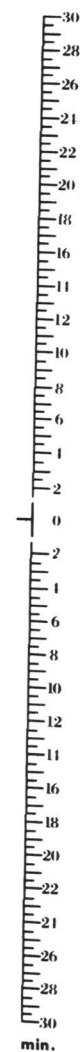
4-11



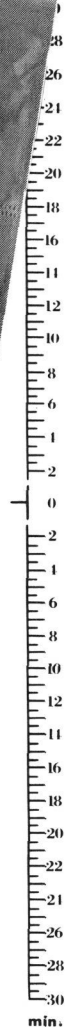
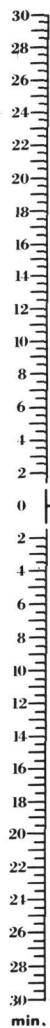
4440 4439 4438 4437 4436 4435 4434 4433 4432 4431 4430 4429 4428

4 MARCH 1971

6.7 μ m



4-12



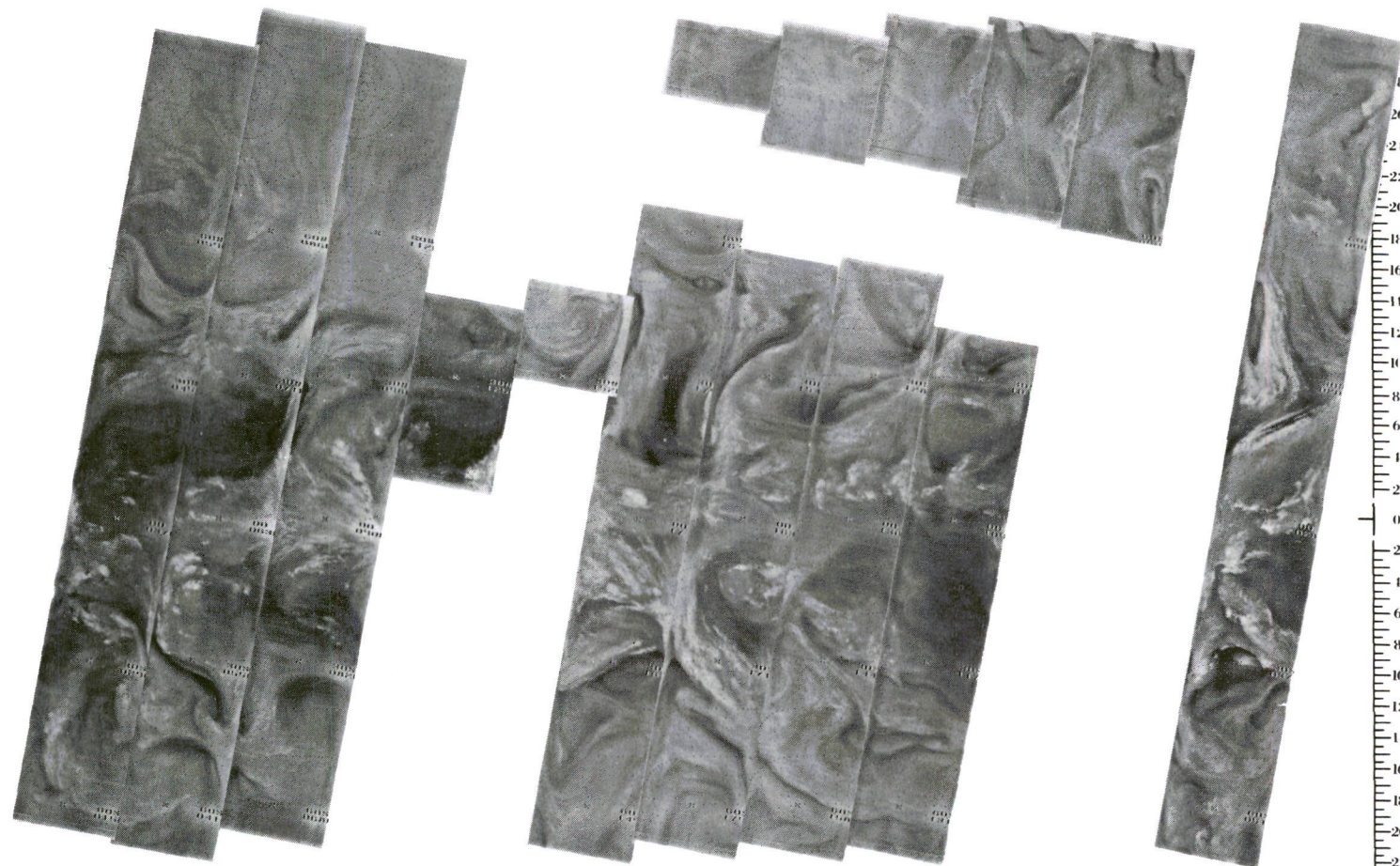
4453 4452 4451 4450 4449 4448 4447 4446 4445 4444 4443 4442 4441

5 MARCH 1971

11.5 μ m

4-13

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



8
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4453 4452 4451 4450 4449 4448 4447 4446 4445 4444 4443 4442 4441

5 MARCH 1971

6.7 μ m

4-14

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4467 4466 4465 4464 4463 4462 4461 4460 4459 4458 4457 4456 4455 4454

6 MARCH 1971

11.5 μ m

4
2
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



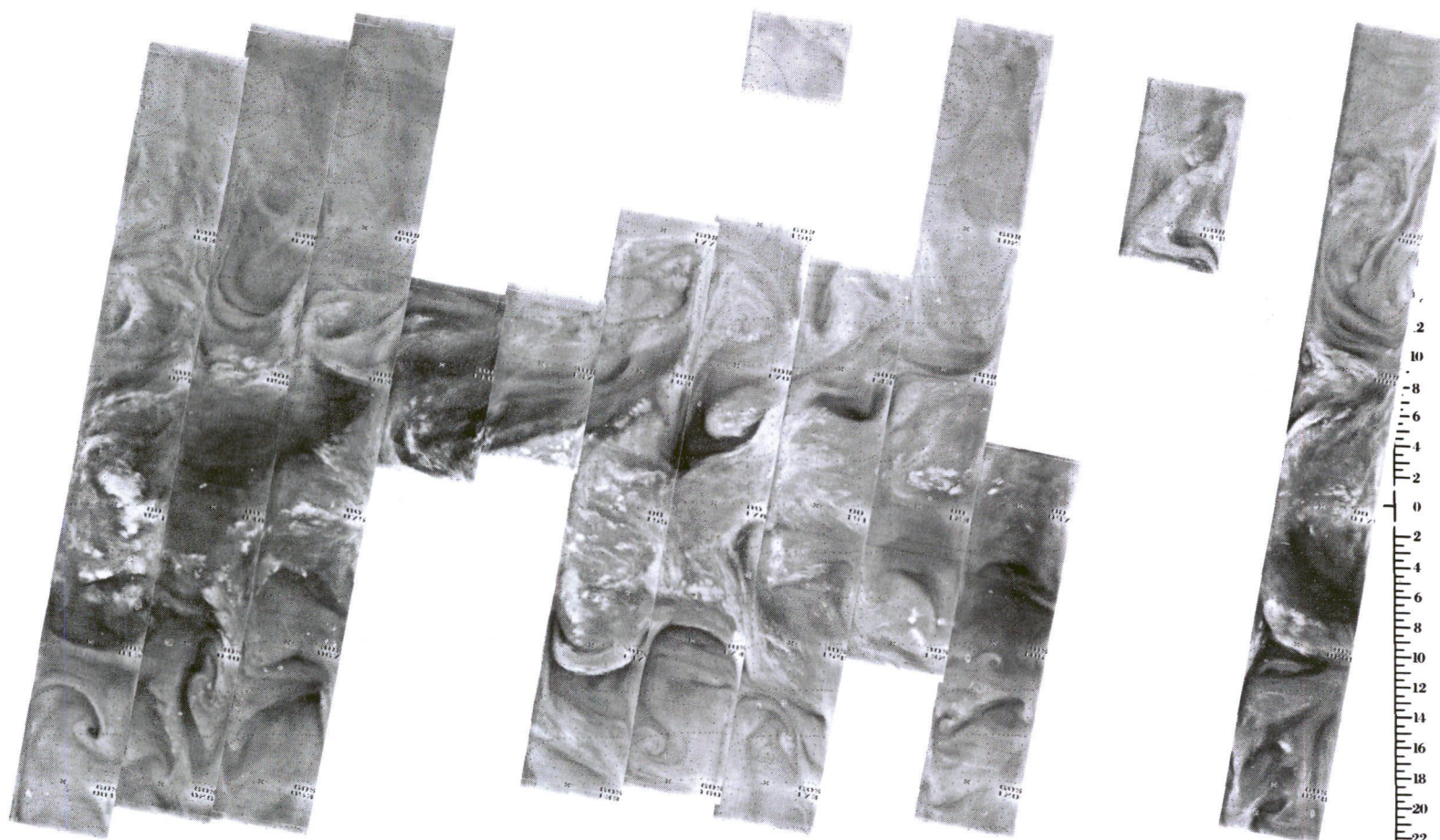
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4467 4466 4465 4464 4463 4462 4461 4460 4459 4458 4457 4456 4455 4454

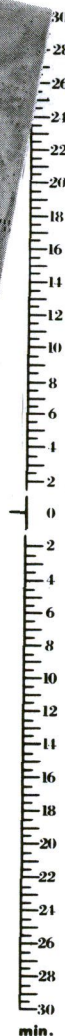
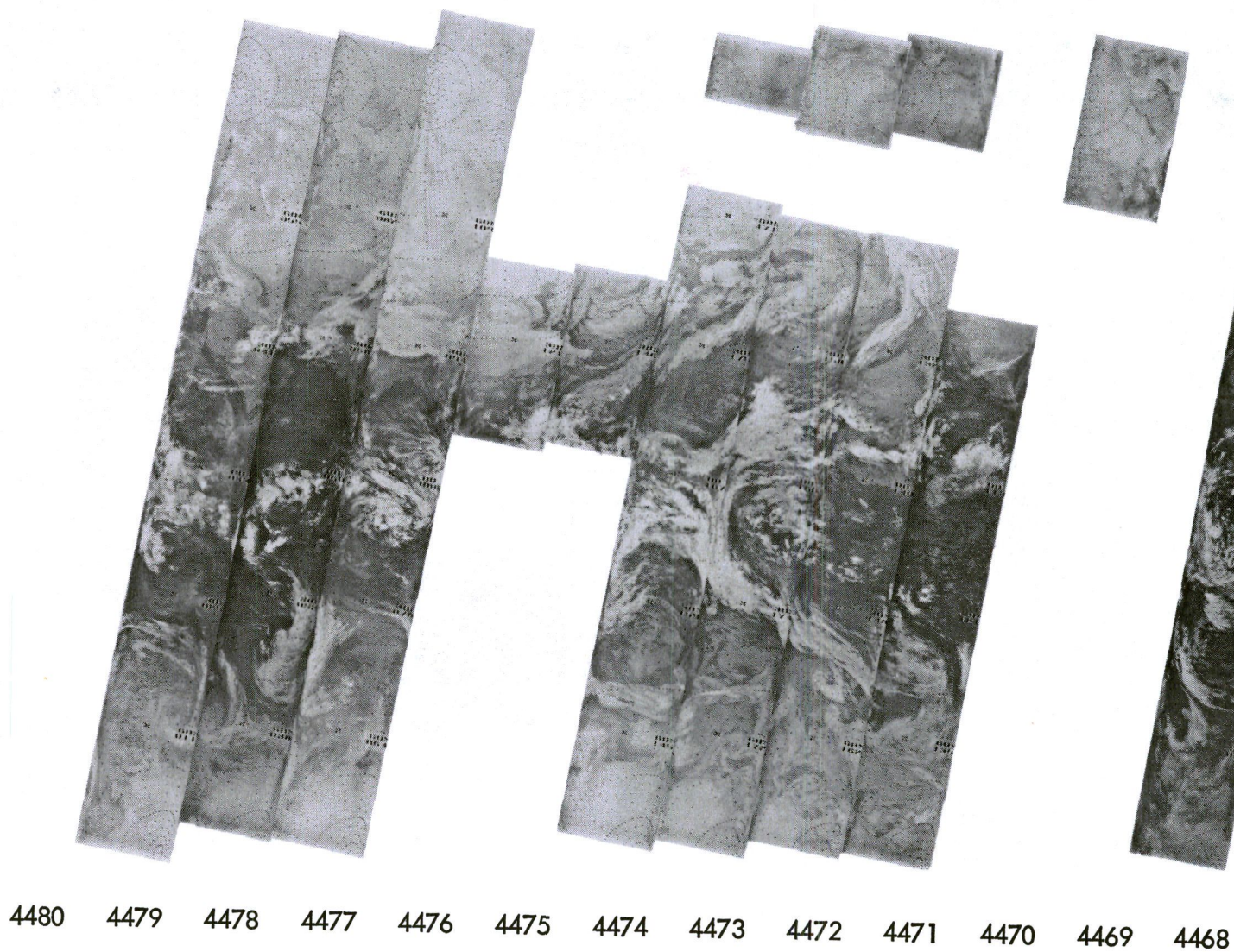
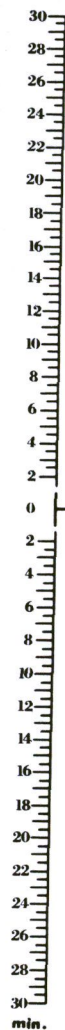
2
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

6 MARCH 1971

6.7 μ m



4-16

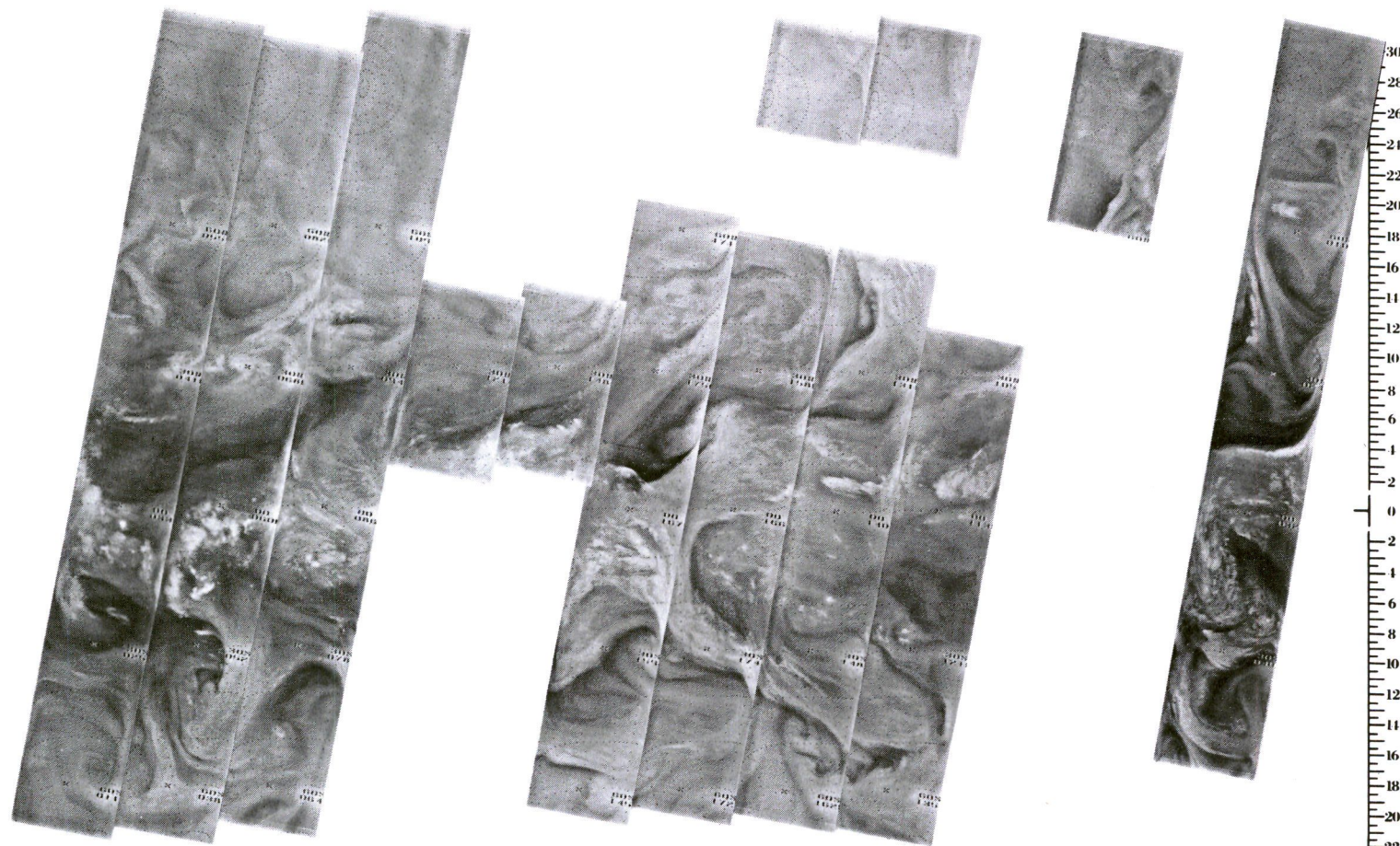


7 MARCH 1971

11.5 μ m

4-17

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



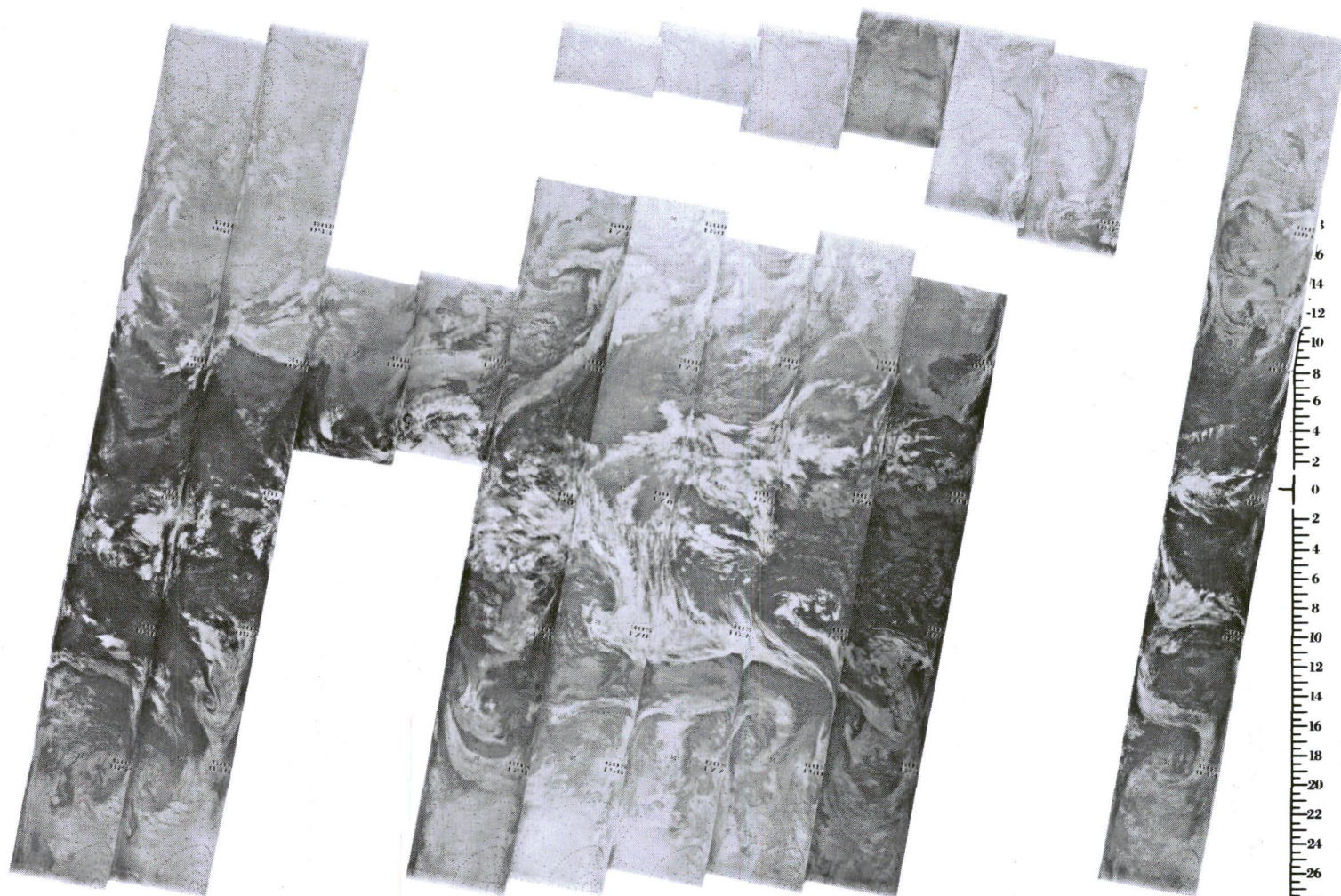
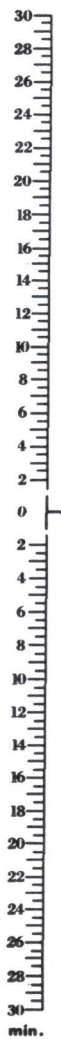
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4480 4479 4478 4477 4476 4475 4474 4473 4472 4471 4470 4469 4468

7 MARCH 1971

6.7 μ m

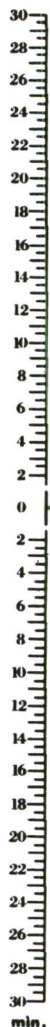
4-18



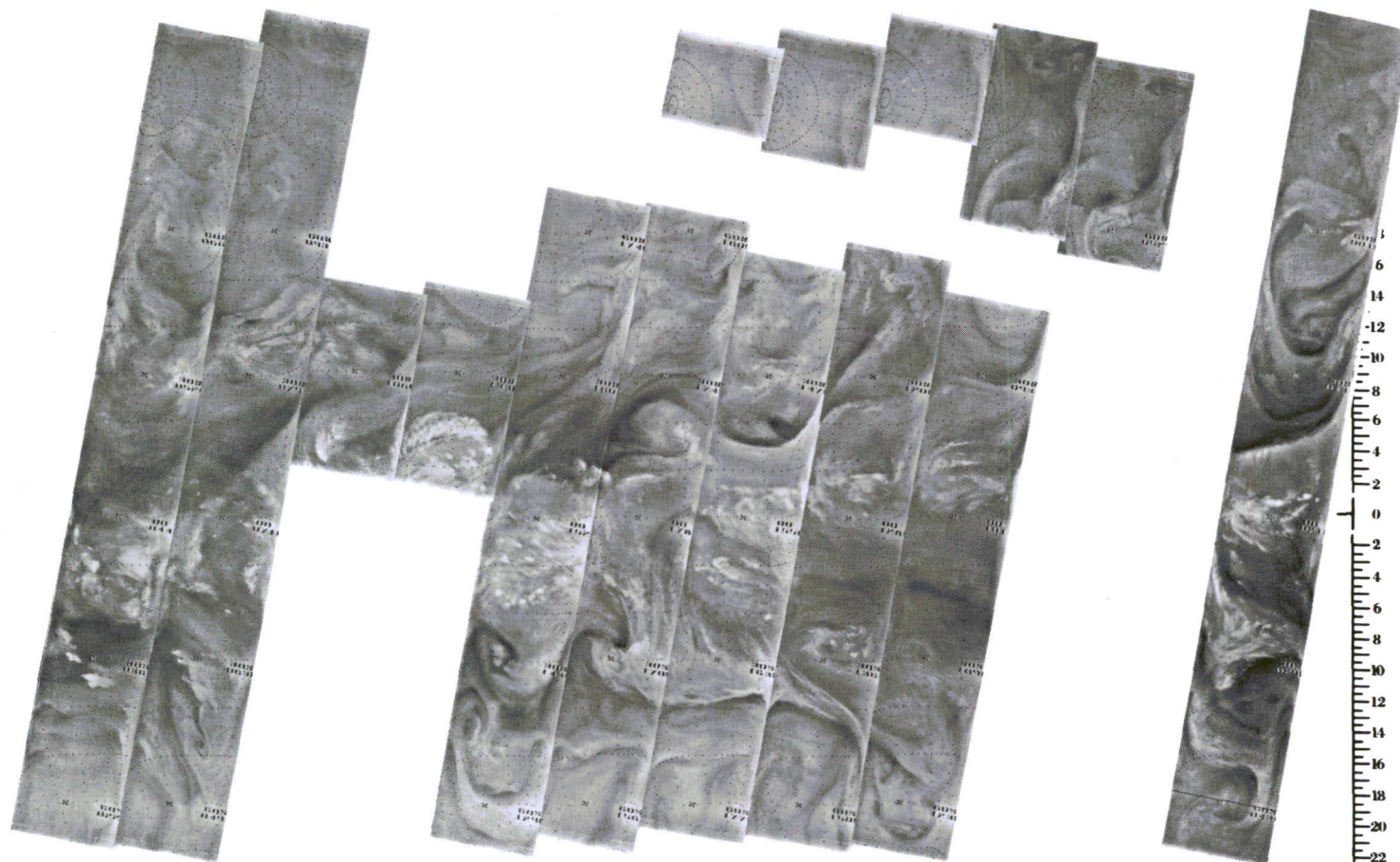
4494 4493 4492 4491 4490 4489 4488 4487 4486 4485 4484 4483 4482 4481

8 MARCH 1971

11.5 μ m



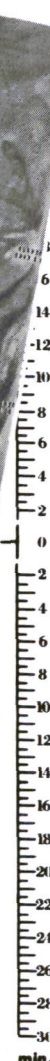
Reproduced from
best available copy.



4494 4493 4492 4491 4490 4489 4488 4487 4486 4485 4484 4483 4482 4481

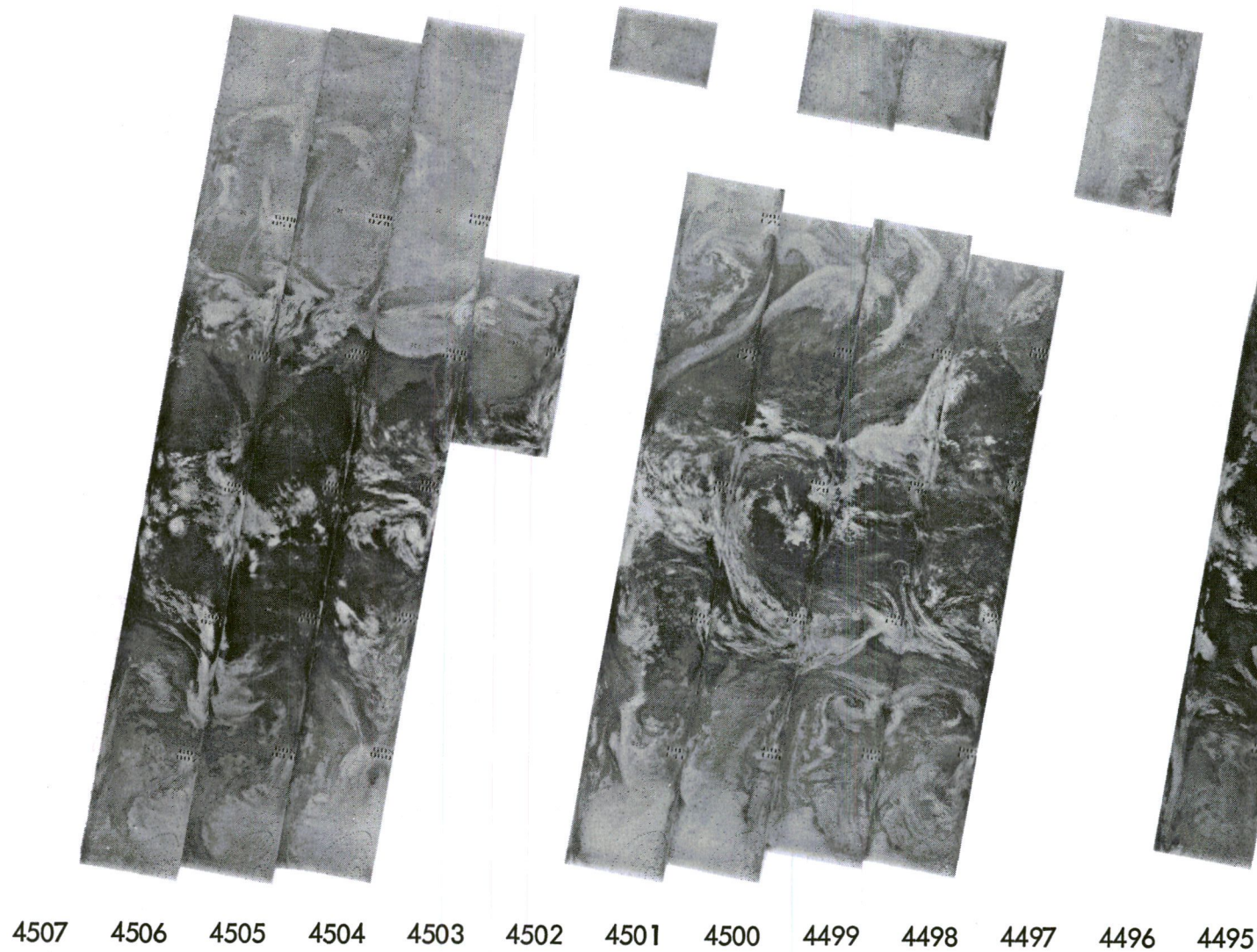
8 MARCH 1971

6.7 μ m



4-20

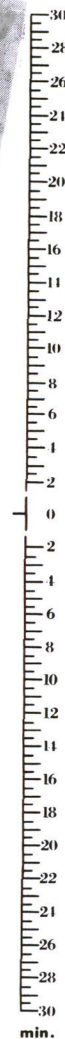
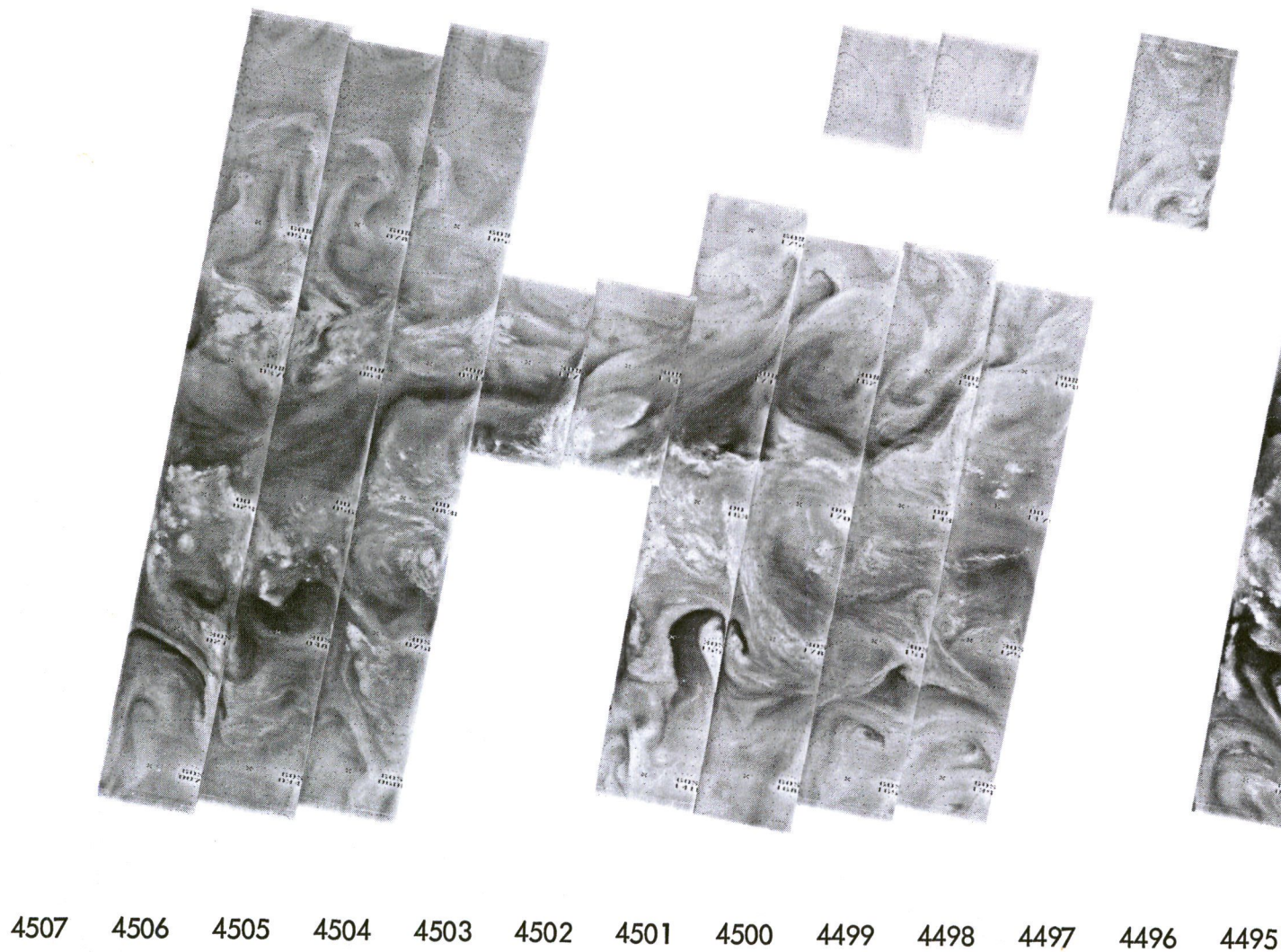
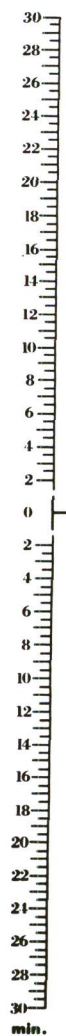
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



9 MARCH 1971

11.5 μ m

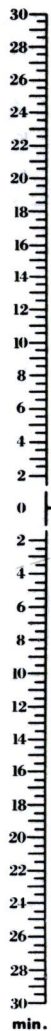
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



9 MARCH 1971

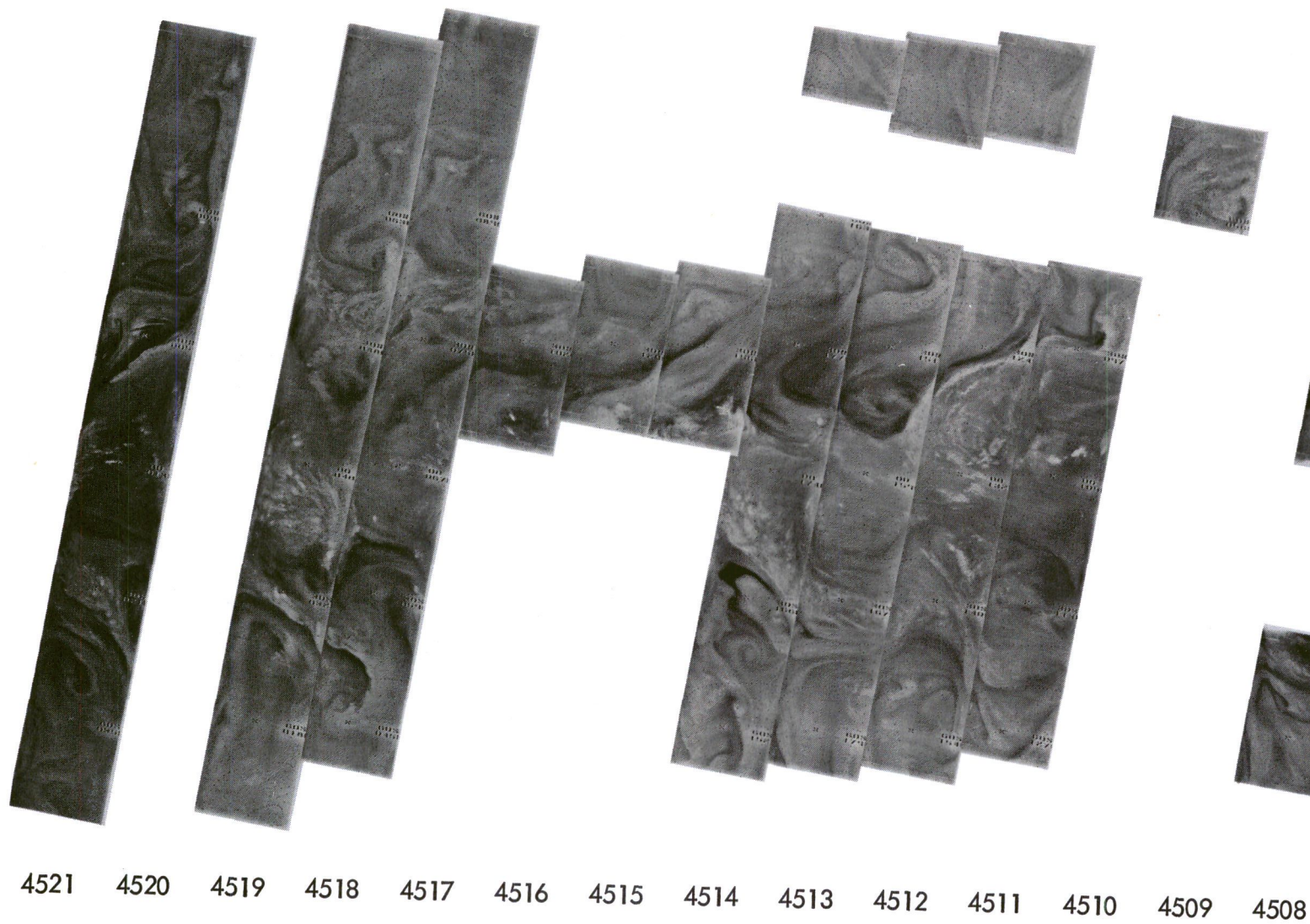
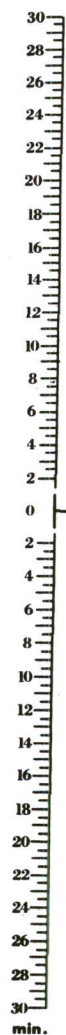
6.7 μ m

A vertical scale for measuring time in minutes. The scale ranges from 0 to 30 minutes, with major markings every 2 minutes and minor markings every 1 minute. The word "min." is at the bottom.



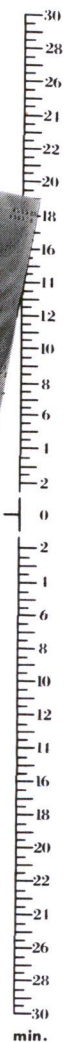
11.5 μm

4-23

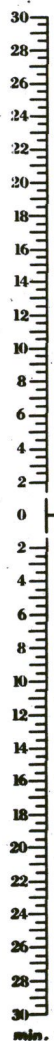


10 MARCH 1971

6.7 μ m



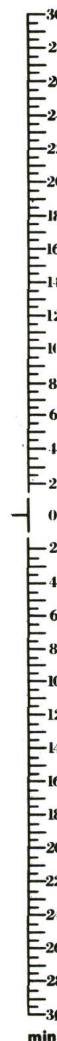
4-24



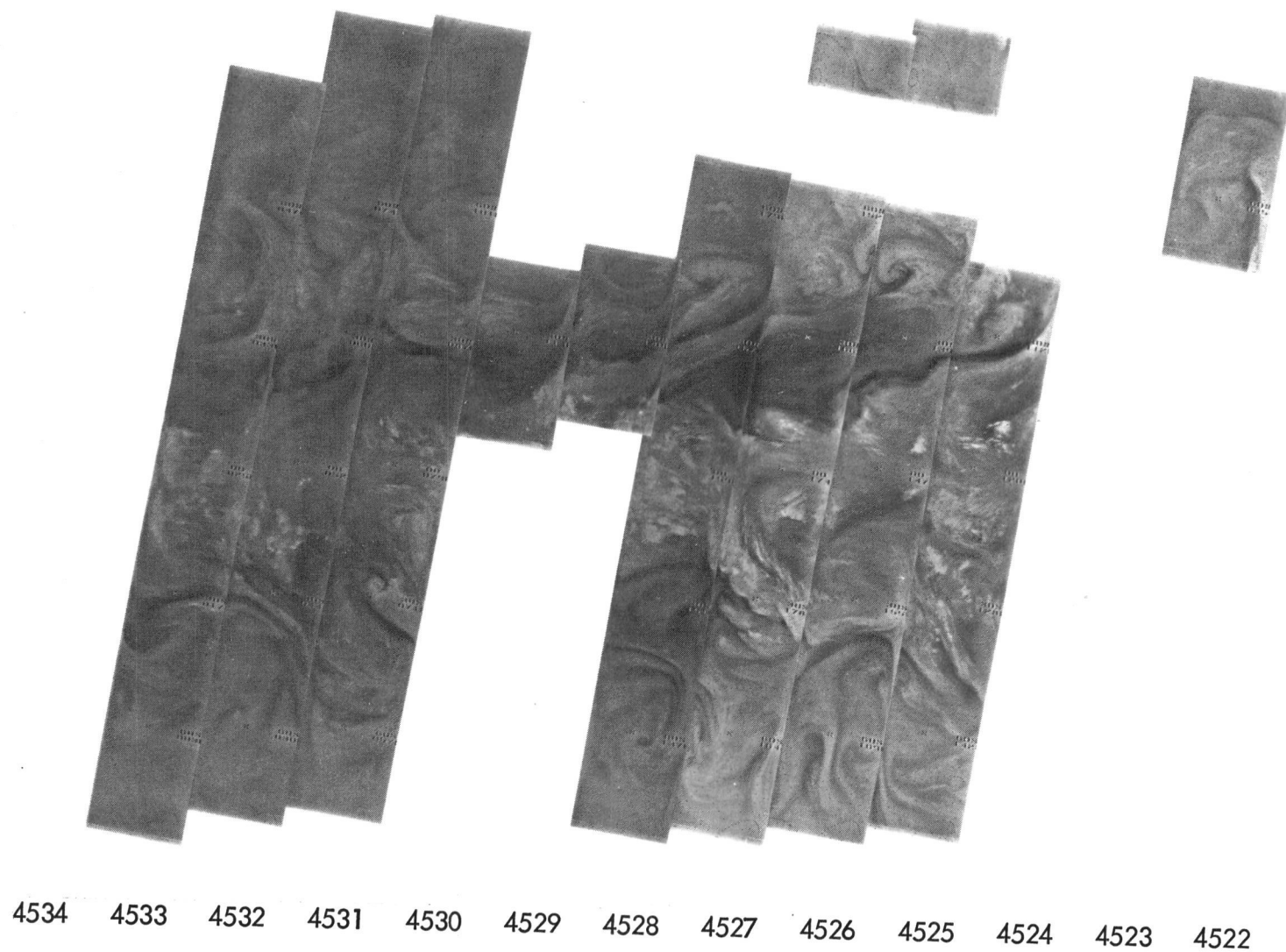
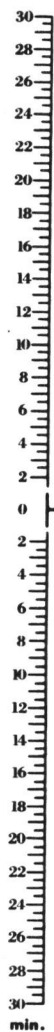
4534 4533 4532 4531 4530 4529 4528 4527 4526 4525 4524 4523 4522

11 MARCH 1971

11.5 μ m

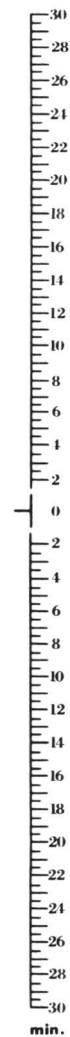


4-25



11 MARCH 1971

6.7 μ m



4-26

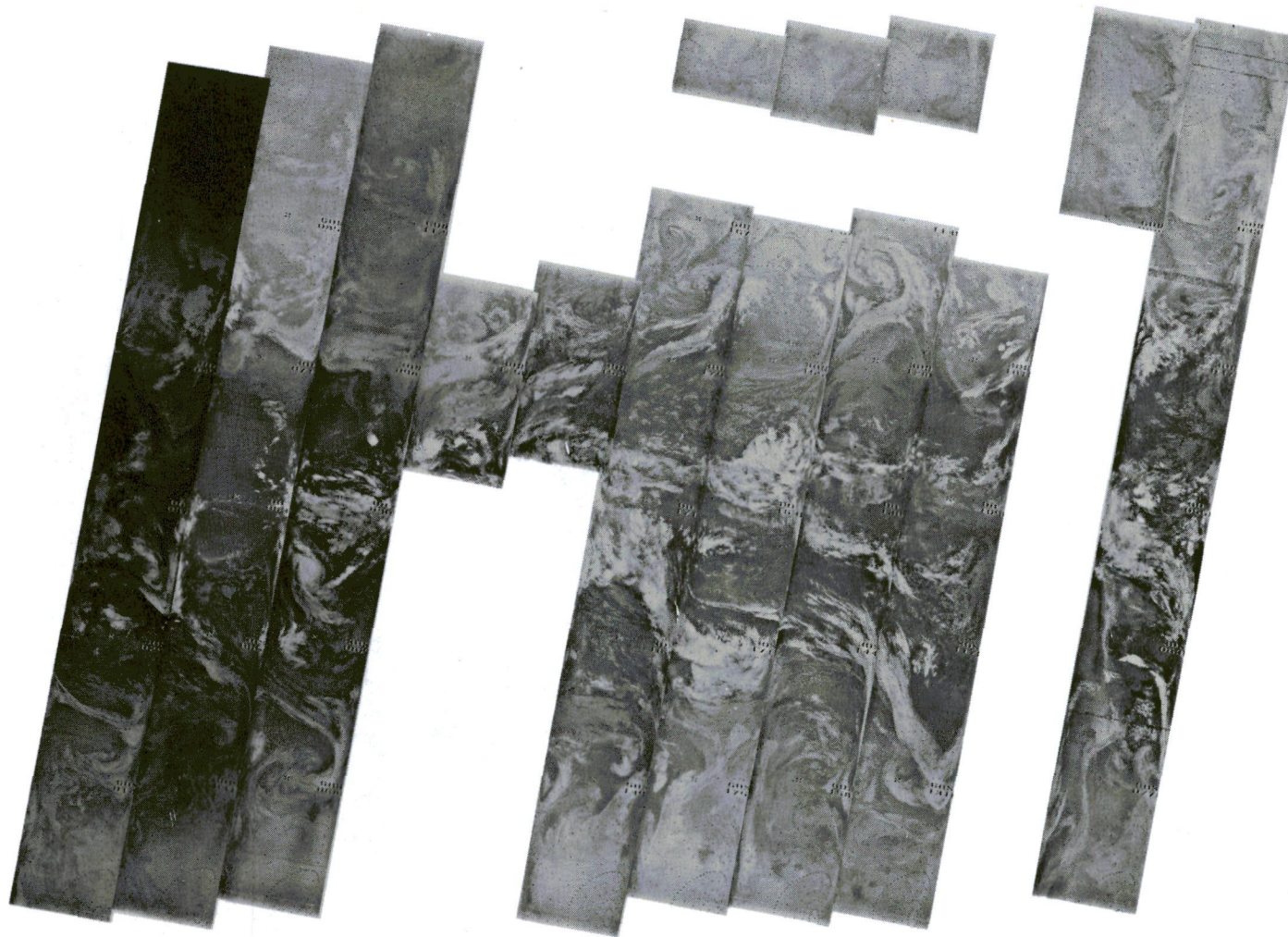
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4547 4546 4545 4544 4543 4542 4541 4540 4539 4538 4537 4536 4535

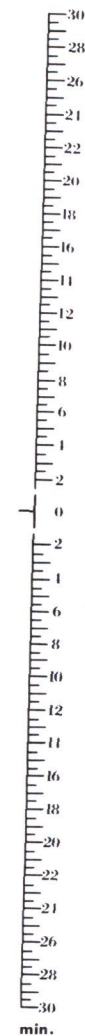
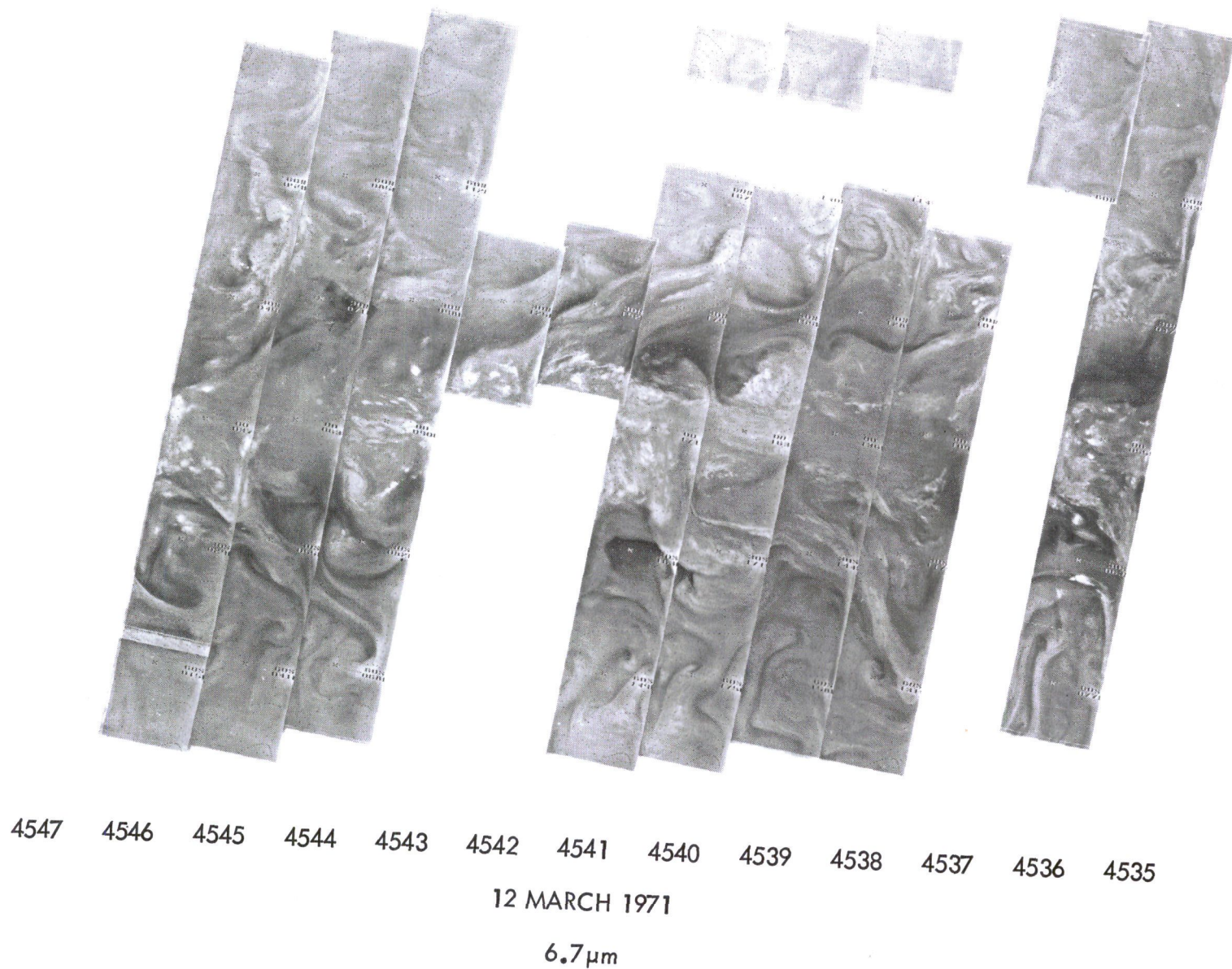
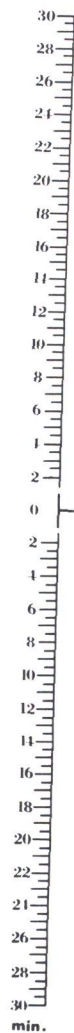
12 MARCH 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



4-27



4-28

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
1
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

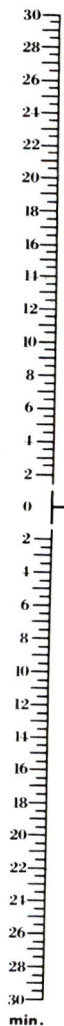
4561 4560 4559 4558 4557 4556 4555 4554 4553 4552 4551 4550 4549 4548

13 MARCH 1971

11.5 μ m

1
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4-29



Reproduced from
best available copy.

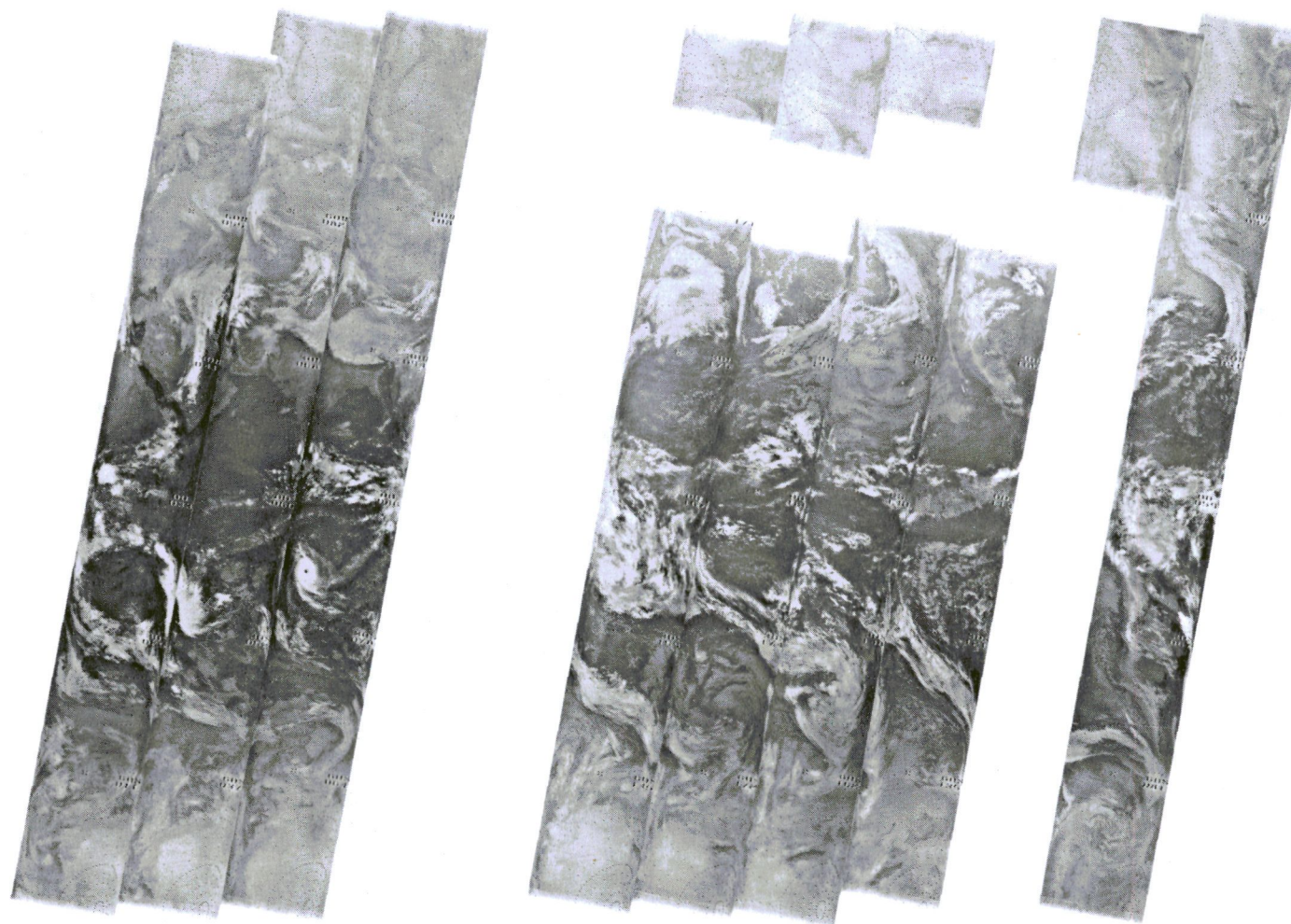
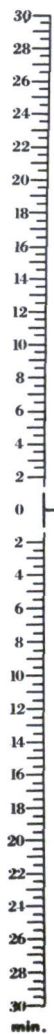
4561 4560 4559 4558 4557 4556 4555 4554 4553 4552 4551 4550 4549 4548

13 MARCH 1971

6.7 μ m



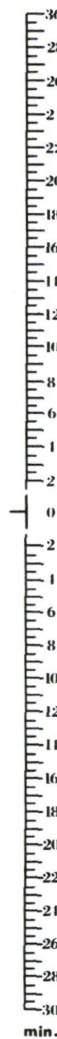
4-30



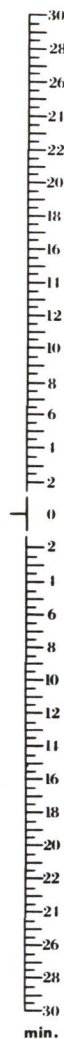
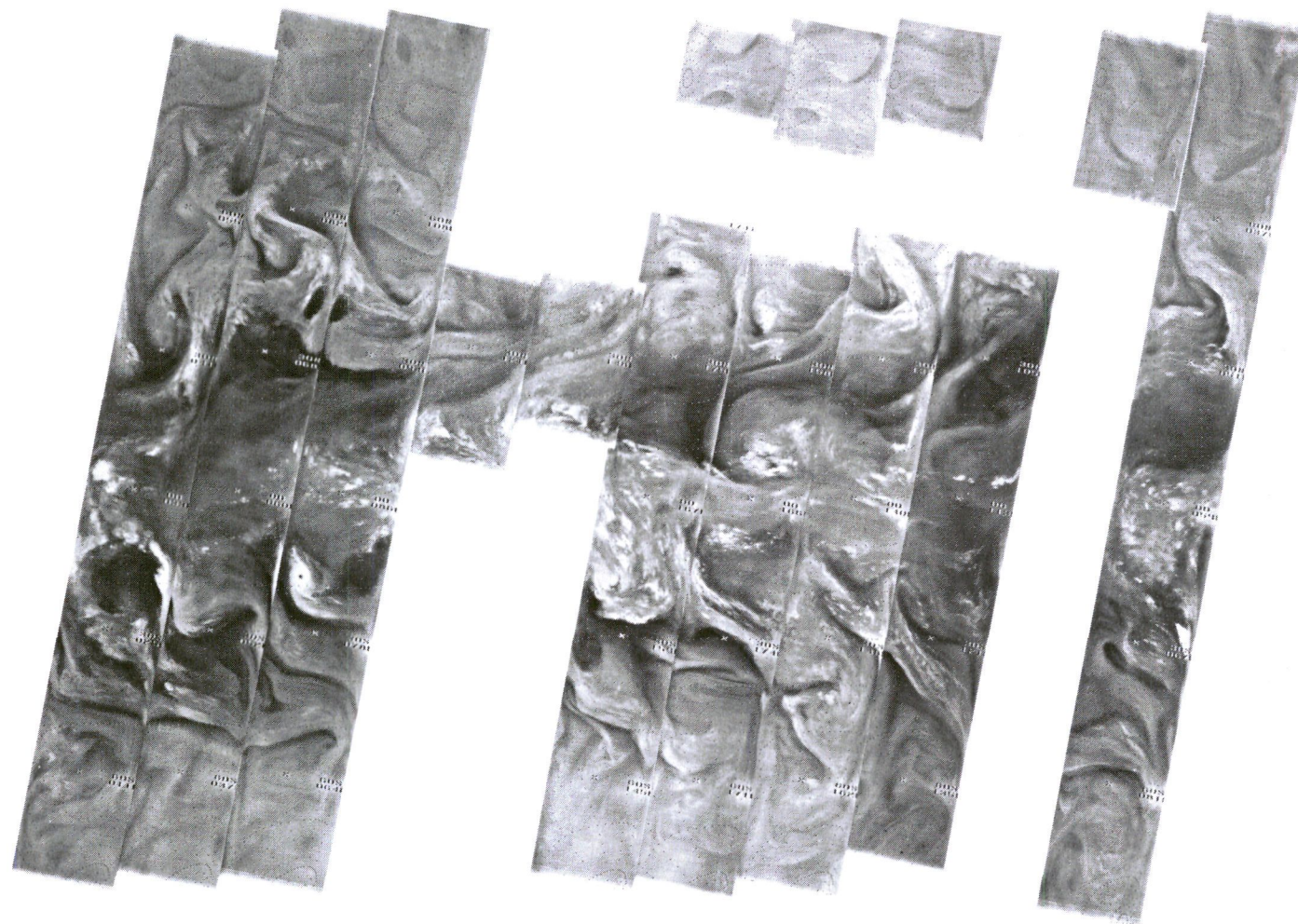
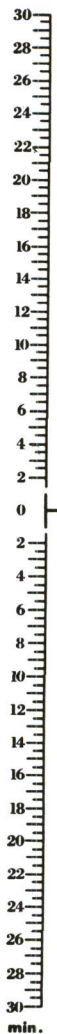
4574 4573 4572 4571 4570 4569 4568 4567 4566 4565 4564 4563 4562

14 MARCH 1971

11.5 μ m



4-31



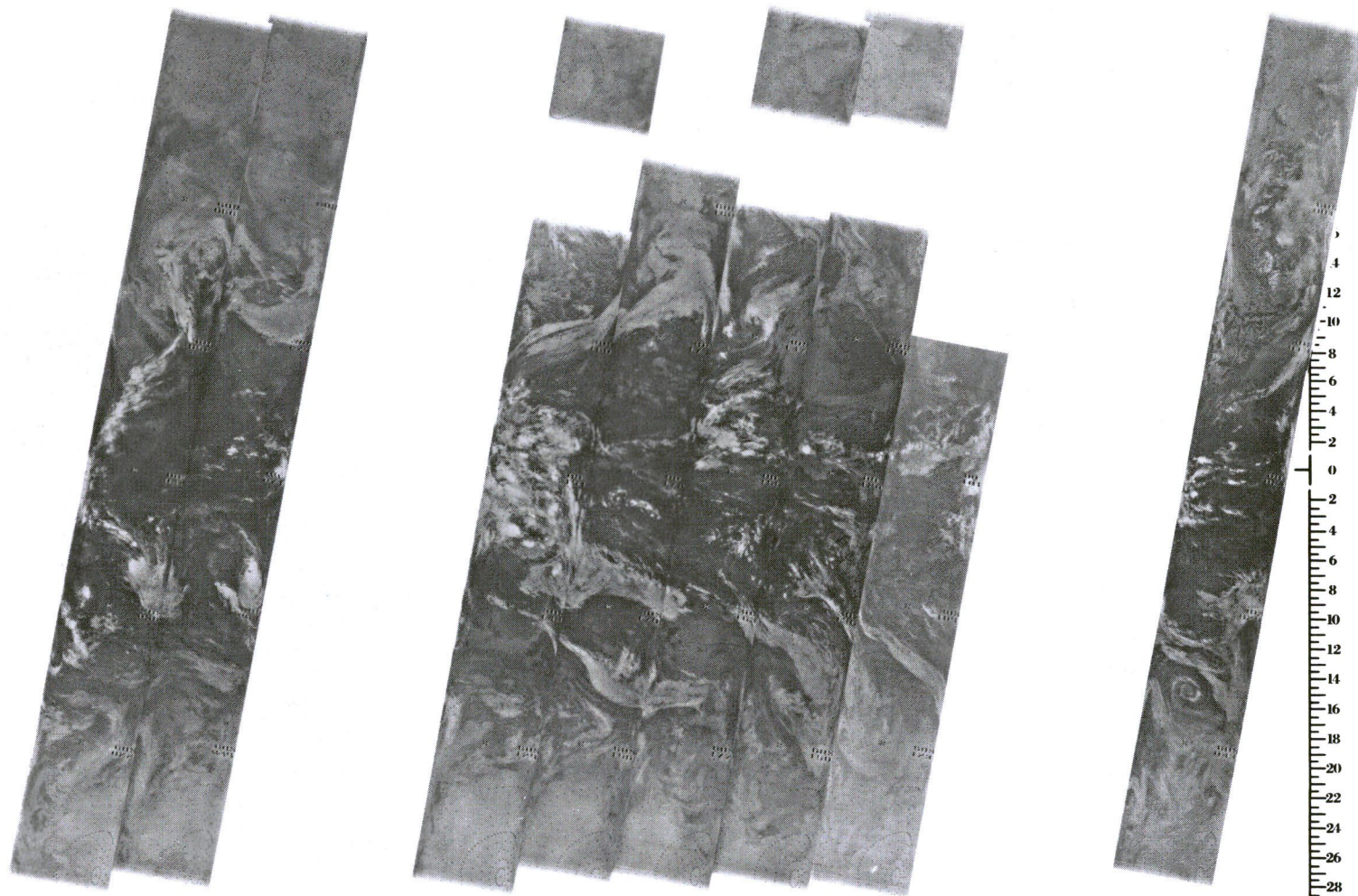
4574 4573 4572 4571 4570 4569 4568 4567 4566 4565 4564 4563 4562

14 MARCH 1971

6.7 μ m

4-32

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



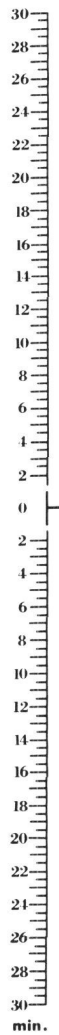
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4588 4587 4586 4585 4584 4583 4582 4581 4580 4579 4578 4577 4576 4575

15 MARCH 1971

11.5 μ m

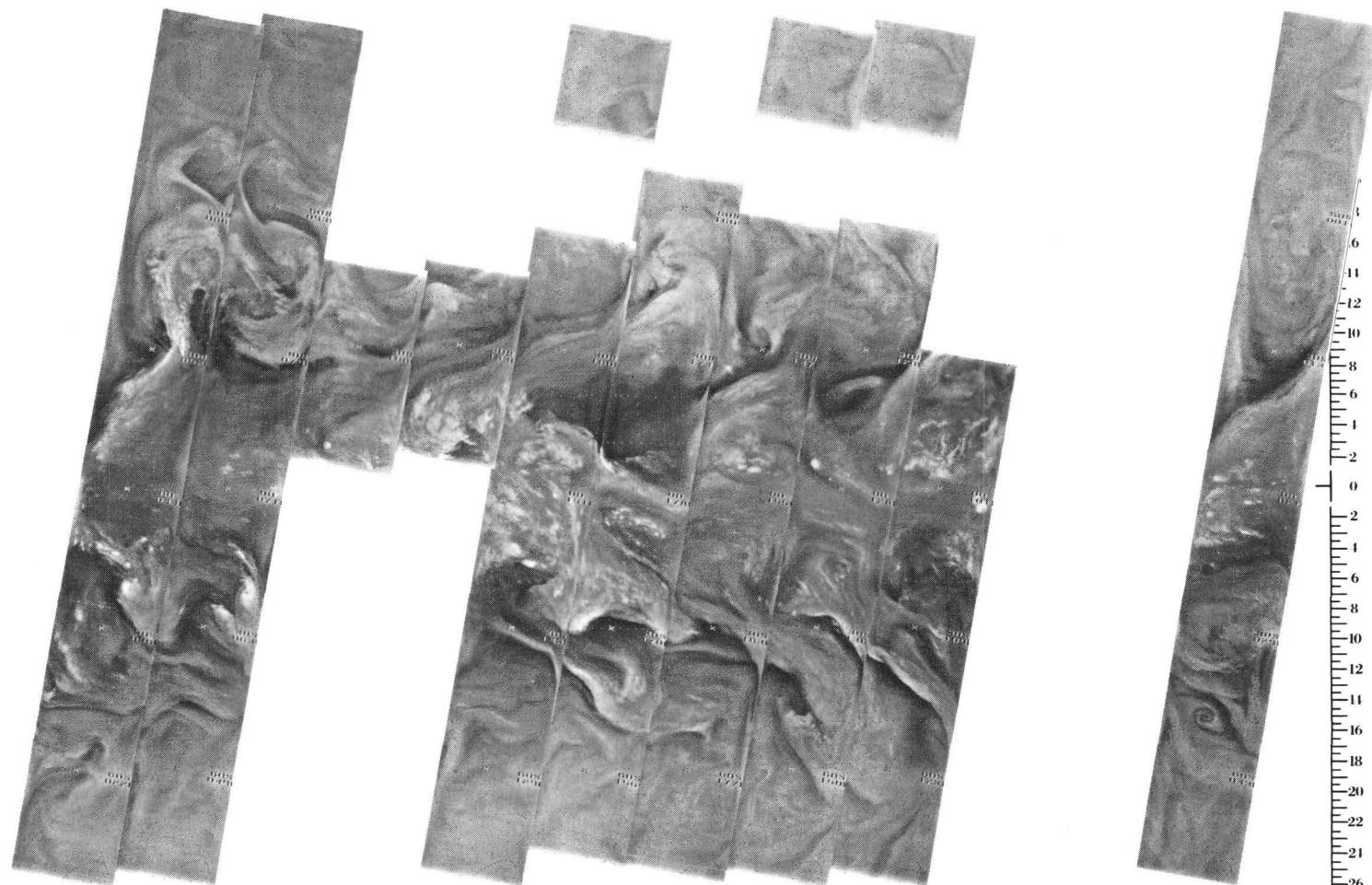
4-33



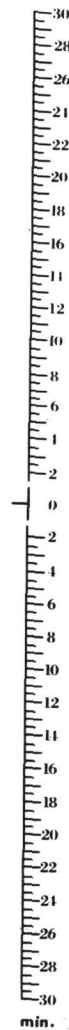
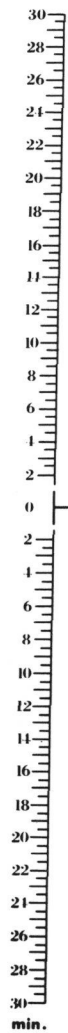
4588 4587 4586 4585 4584 4583 4582 4581 4580 4579 4578 4577 4576 4575

15 MARCH 1971

6.7 μ m



4-34

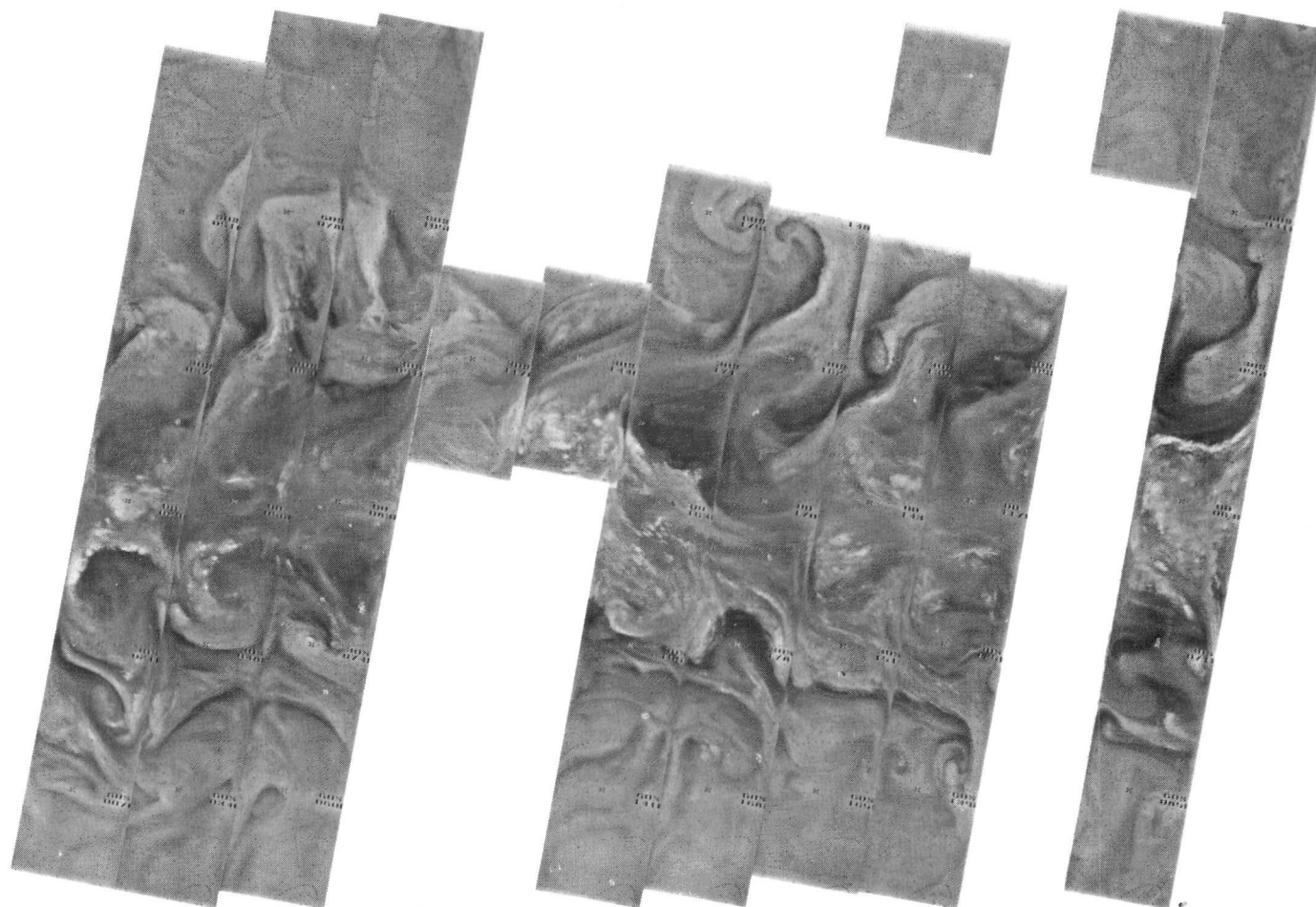
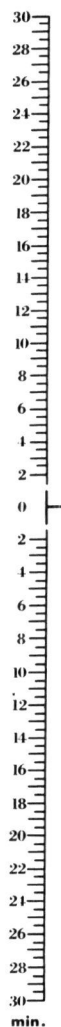


4601 4600 4599 4598 4597 4596 4595 4594 4593 4592 4591 4590 4589

16 MARCH 1971

11.5 μ m

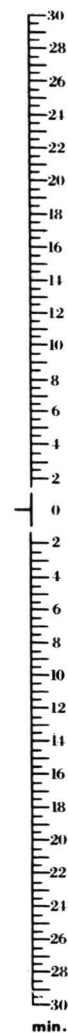
4-35



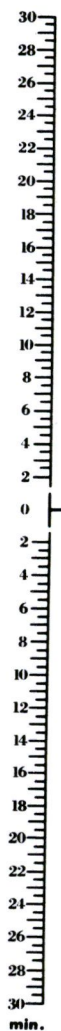
4601 4600 4599 4598 4597 4596 4595 4594 4593 4592 4591 4590 4589

16 MARCH 1971

6.7 μ m



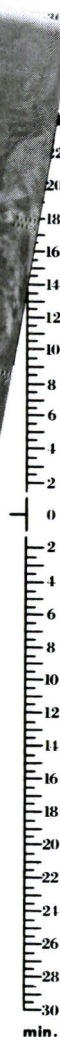
4-36



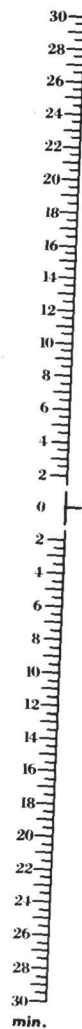
4615 4614 4613 4612 4611 4610 4609 4608 4607 4606 4605 4604 4603 4602

17 MARCH 1971

11.5 μ m



4-37



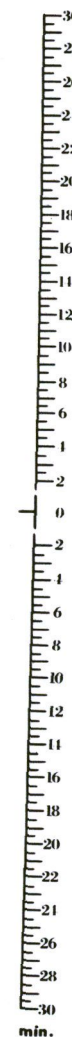
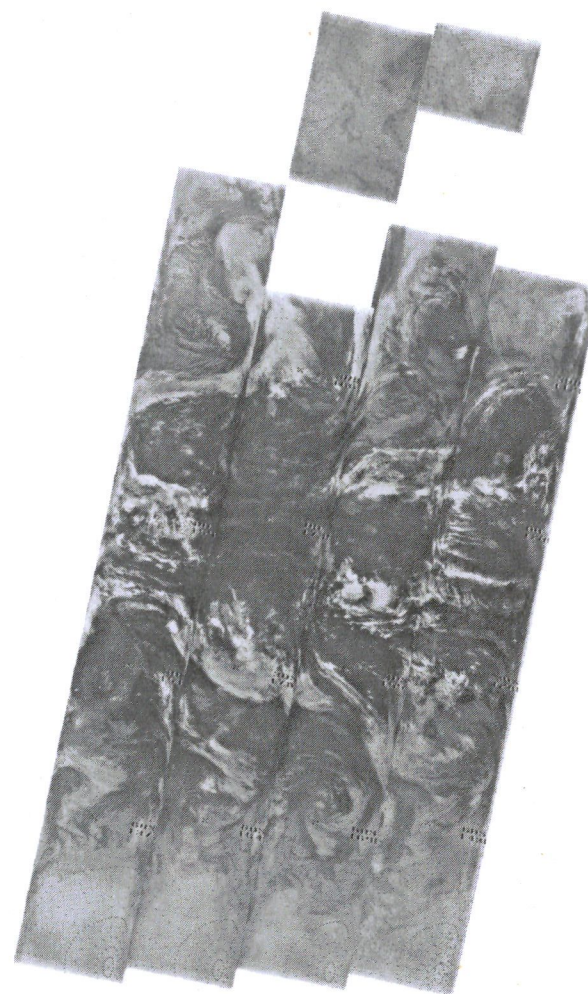
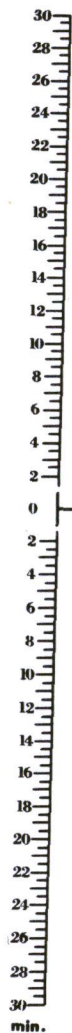
4615 4614 4613 4612 4611 4610 4609 4608 4607 4606 4605 4604 4603 4602

17 MARCH 1971

6.7 μ m



4-38

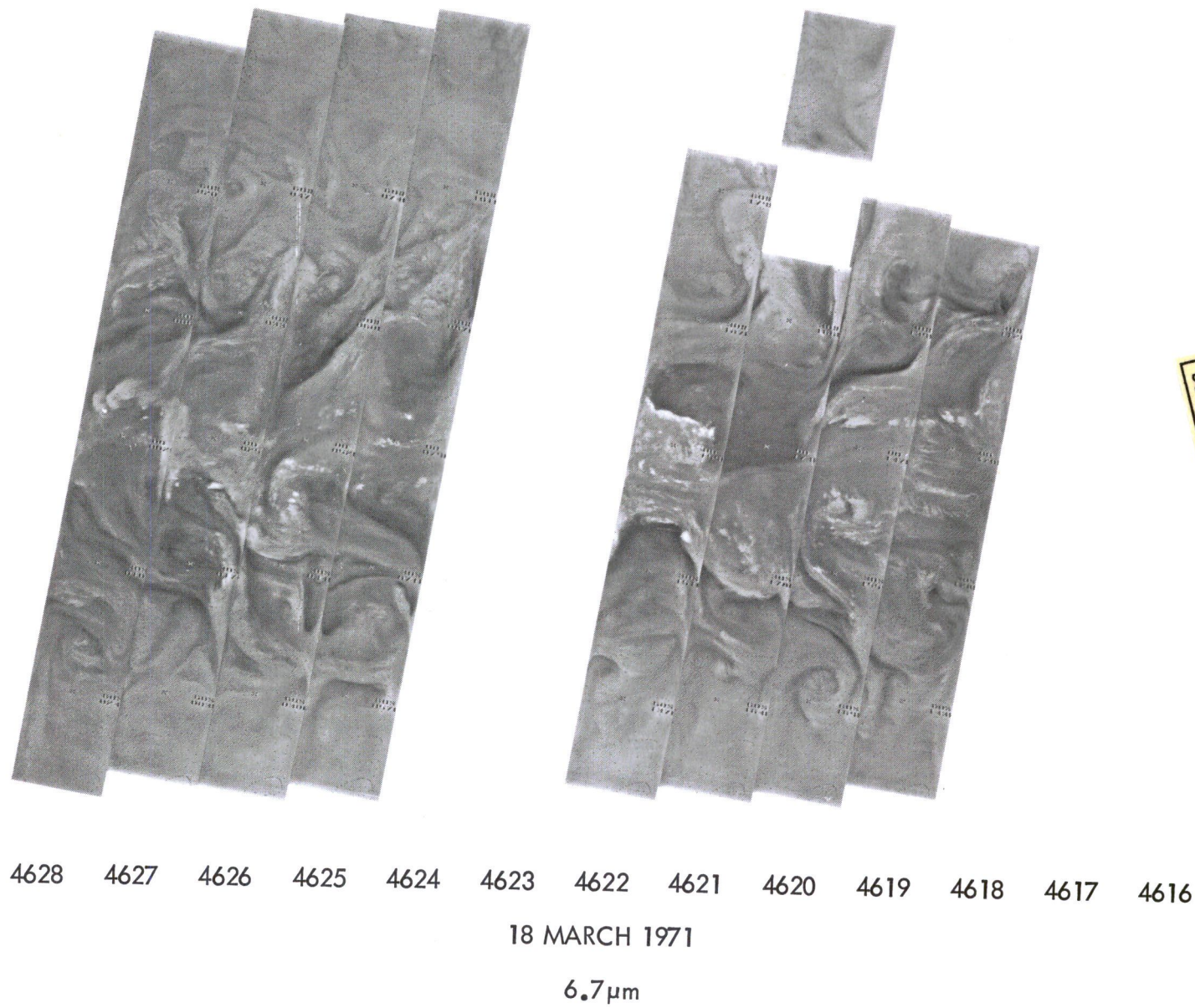
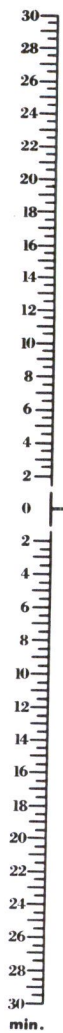


4628 4627 4626 4625 4624 4623 4622 4621 4620 4619 4618 4617 4616

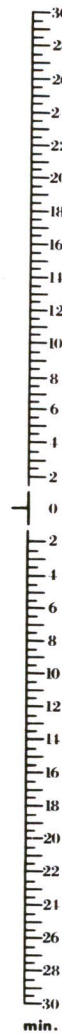
18 MARCH 1971

11.5 μ m

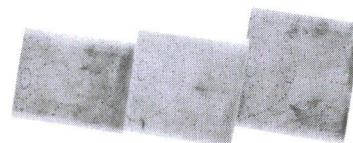
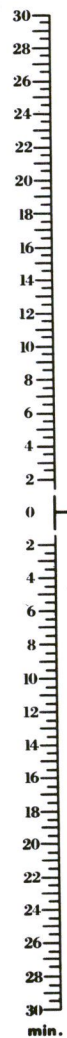
4-39



Reproduced from
best available copy.



4-40

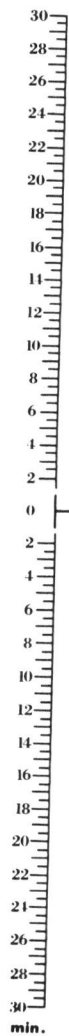


4641 4640 4639 4638 4637 4636 4635 4634 4633 4632 4631 4630 4629

19 MARCH 1971

11.5 μ m

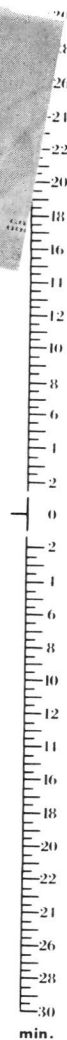
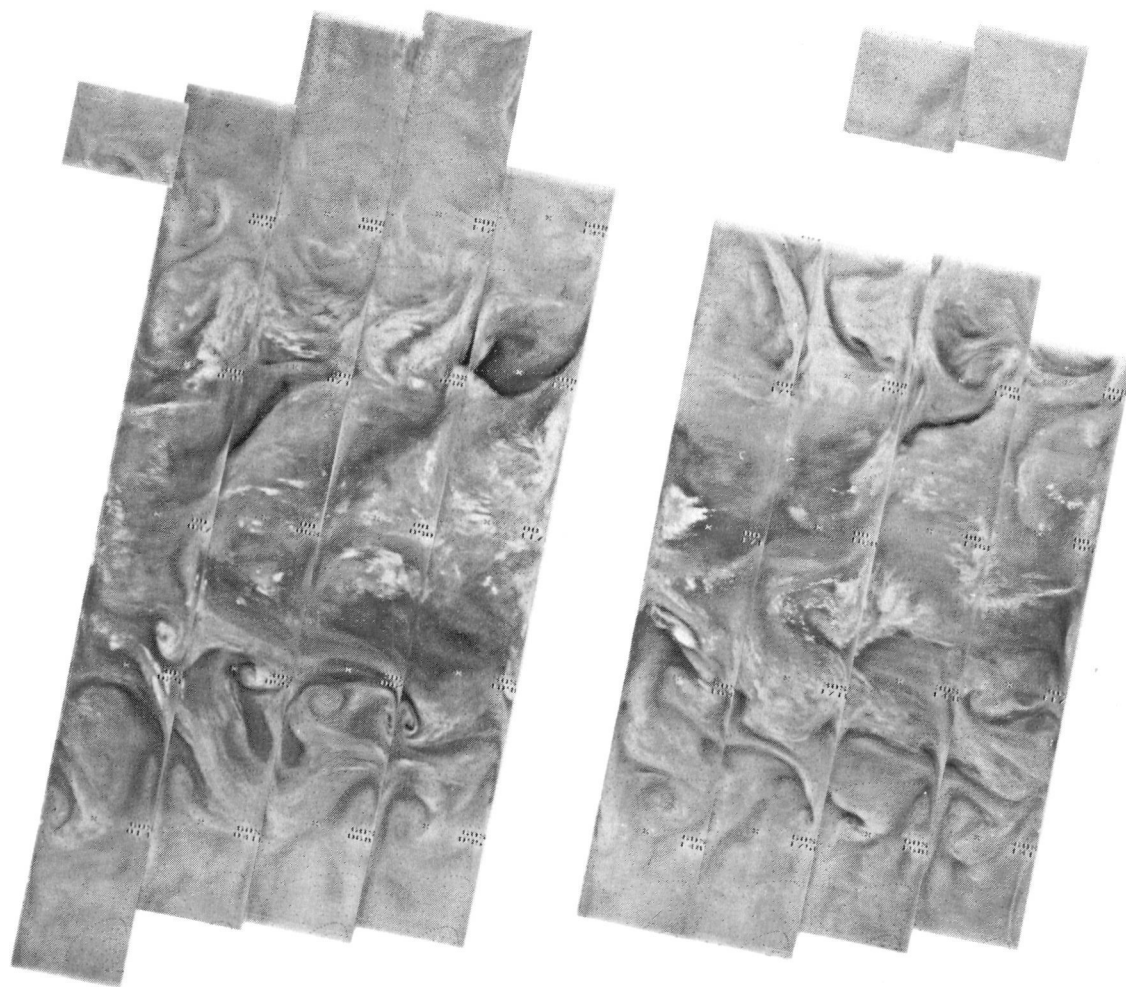
4-41



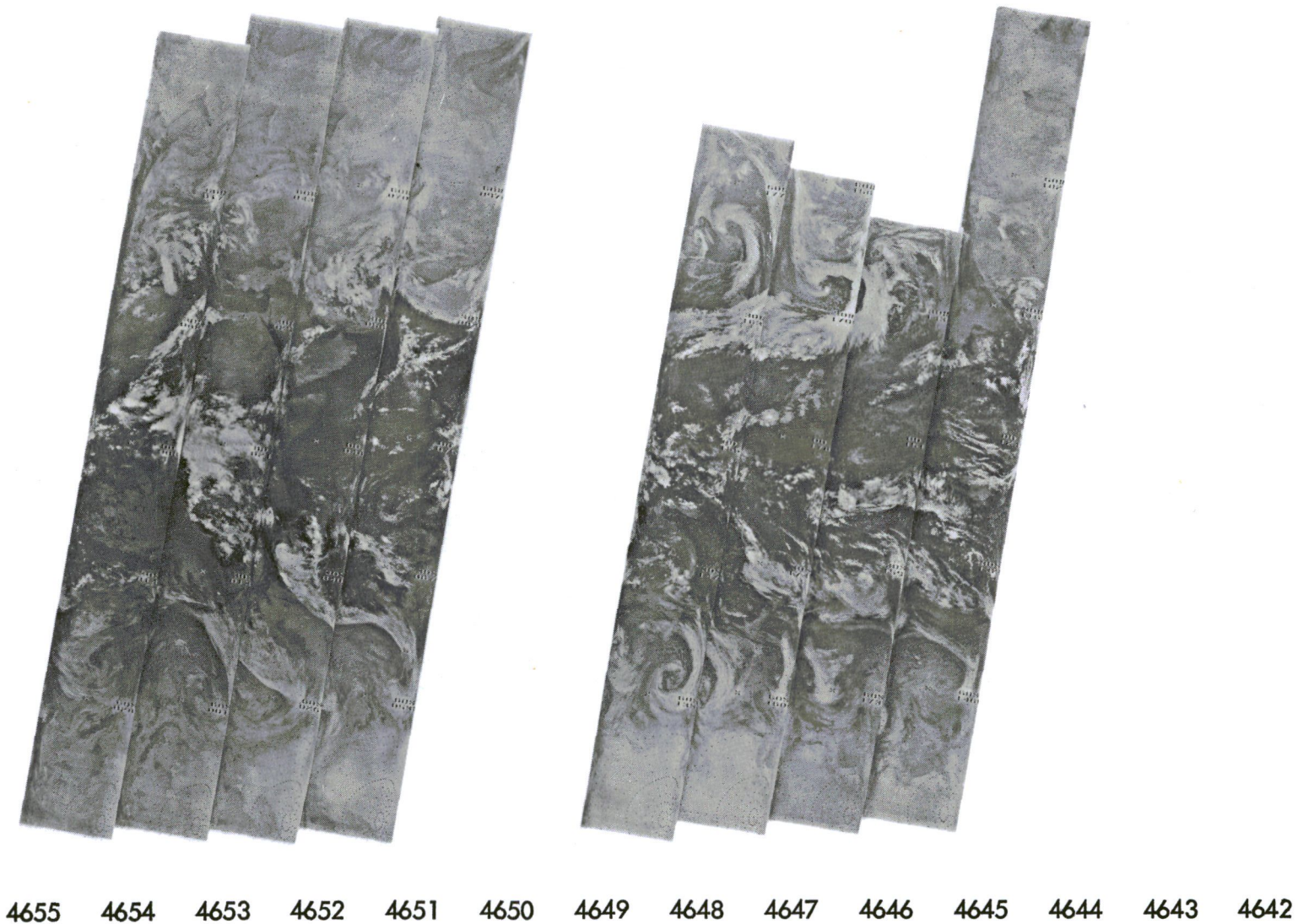
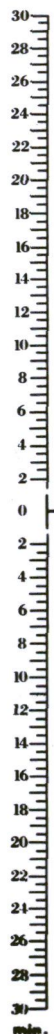
4641 4640 4639 4638 4637 4636 4635 4634 4633 4632 4631 4630 4629

19 MARCH 1971

6.7 μ m



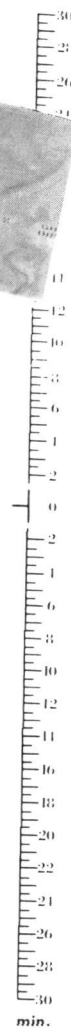
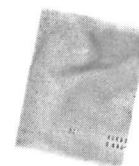
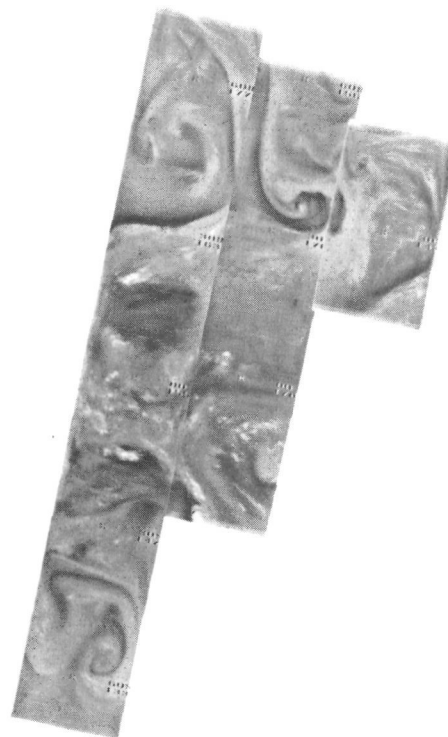
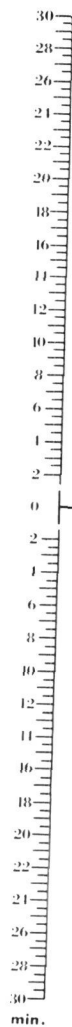
4-42



20 MARCH 1971

11.5 μ m

4-43

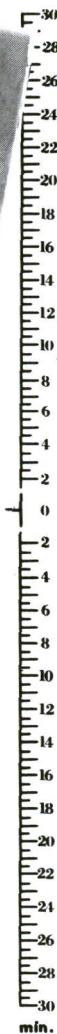
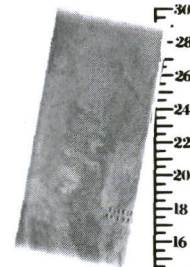
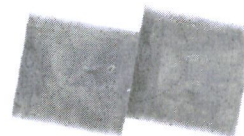
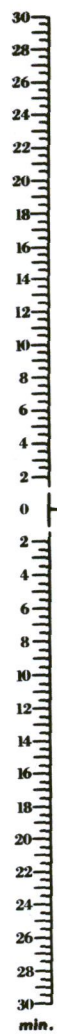


4655 4654 4653 4652 4651 4650 4649 4648 4647 4646 4645 4644 4643 4642

20 MARCH 1971

6.7 μ m

4-44

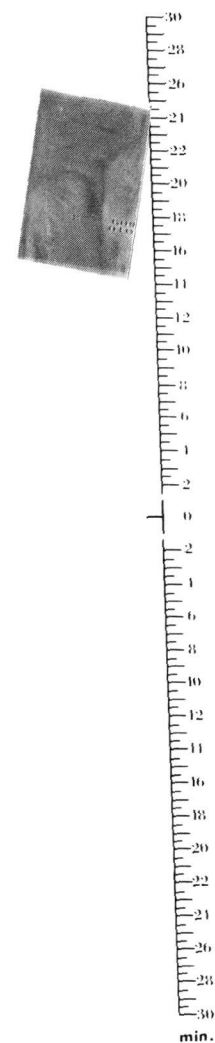
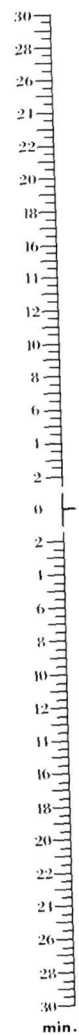


4668 4667 4666 4665 4664 4663 4662 4661 4660 4659 4658 4657 4656

21 MARCH 1971

11.5 μ m

4-45

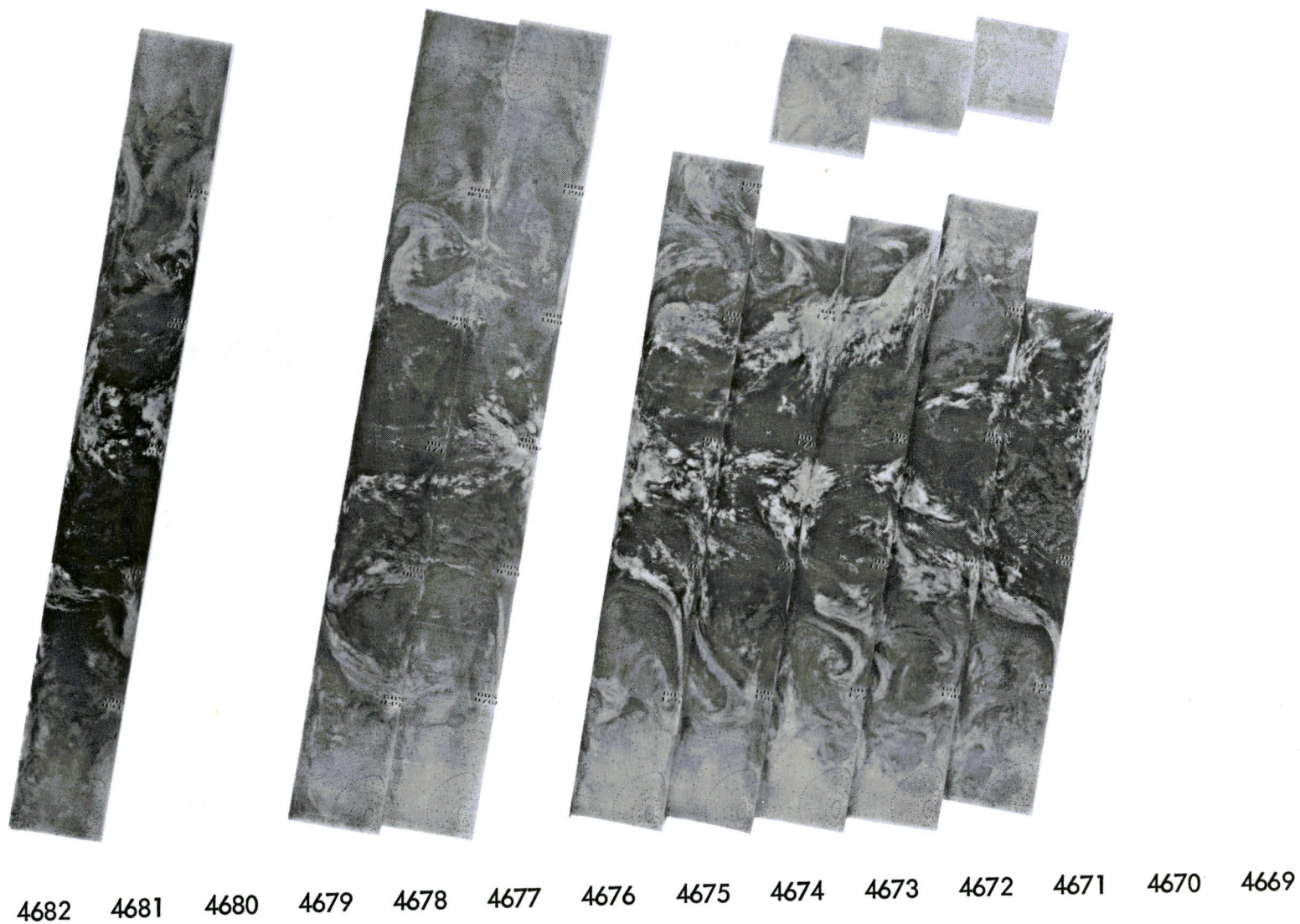
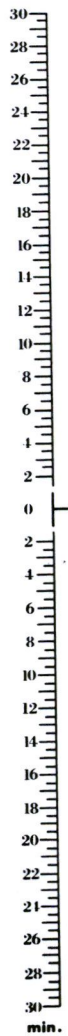


4668 4667 4666 4665 4664 4663 4662 4661 4660 4659 4658 4657 4656

21 MARCH 1971

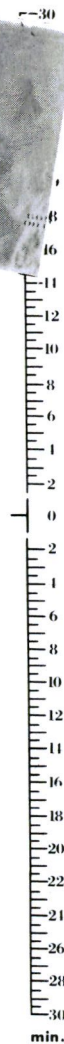
6.7 μ m

4-46

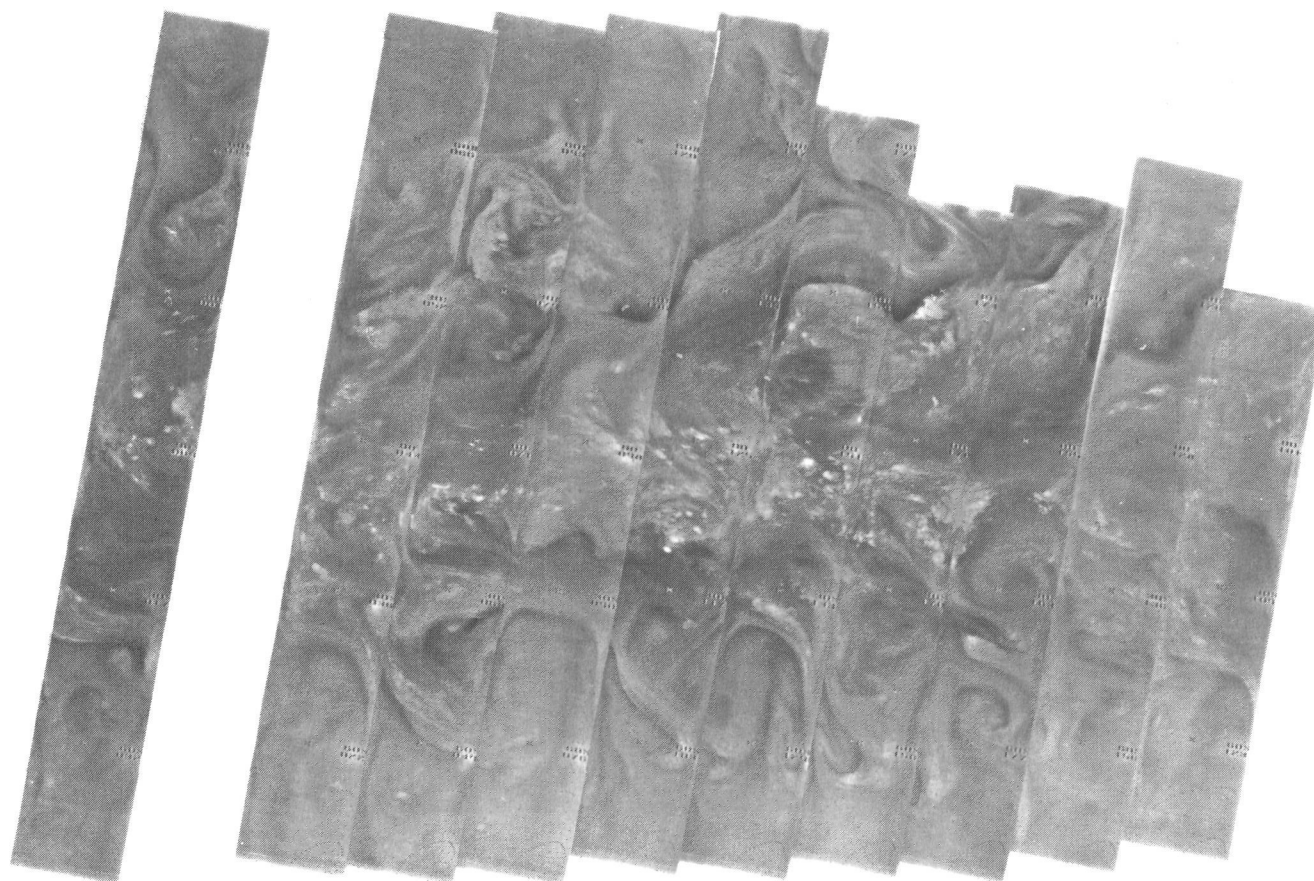
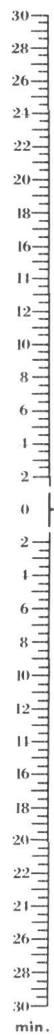


22 MARCH 1971

11.5 μ m



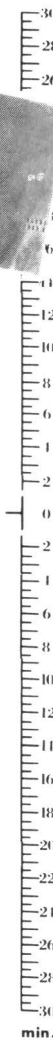
4-47



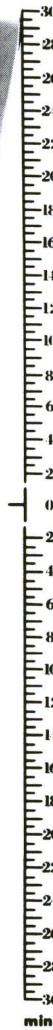
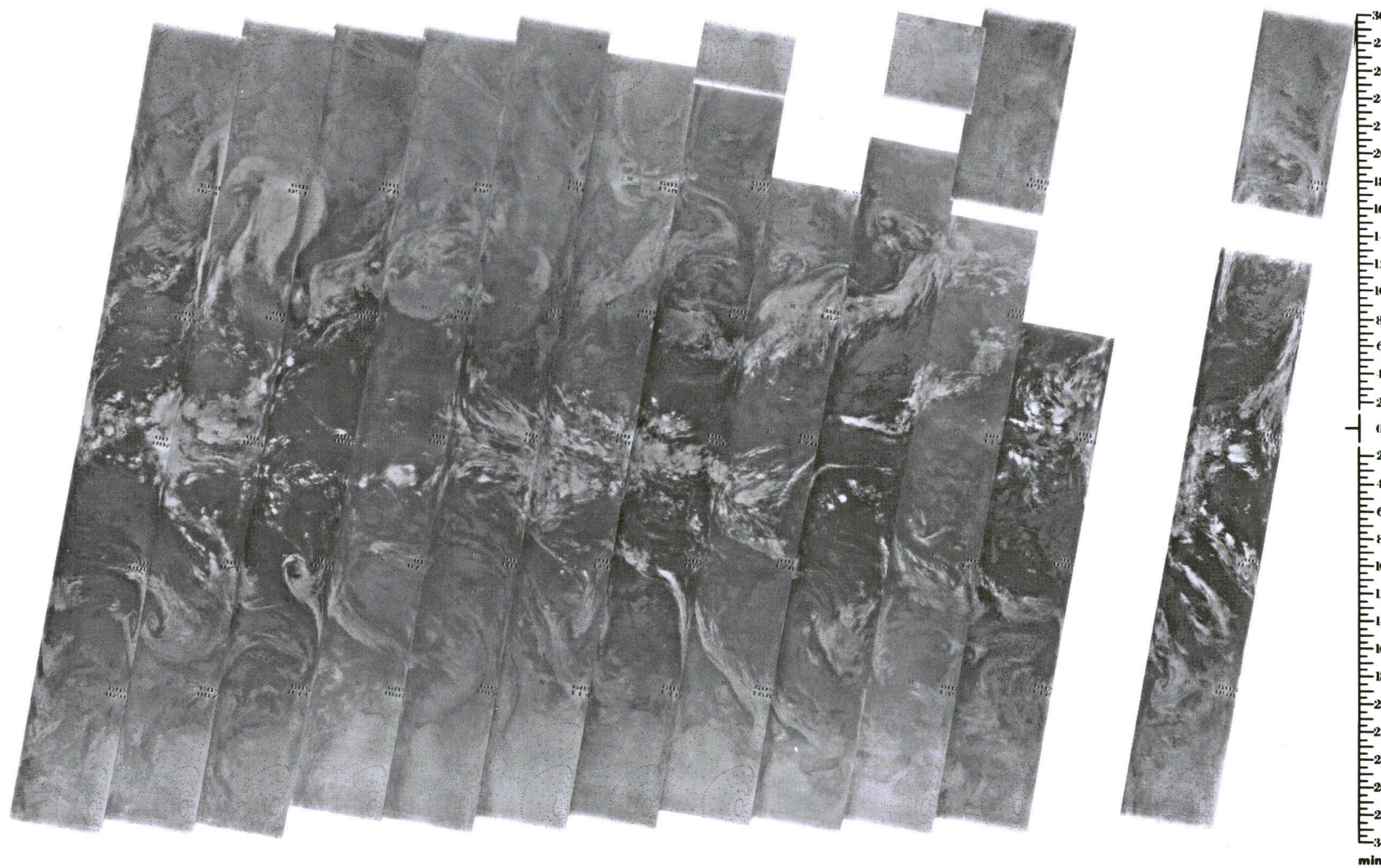
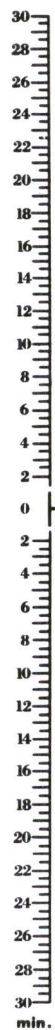
4682 4681 4680 4679 4678 4677 4676 4675 4674 4673 4672 4671 4670 4669

22 MARCH 1971

6.7 μ m



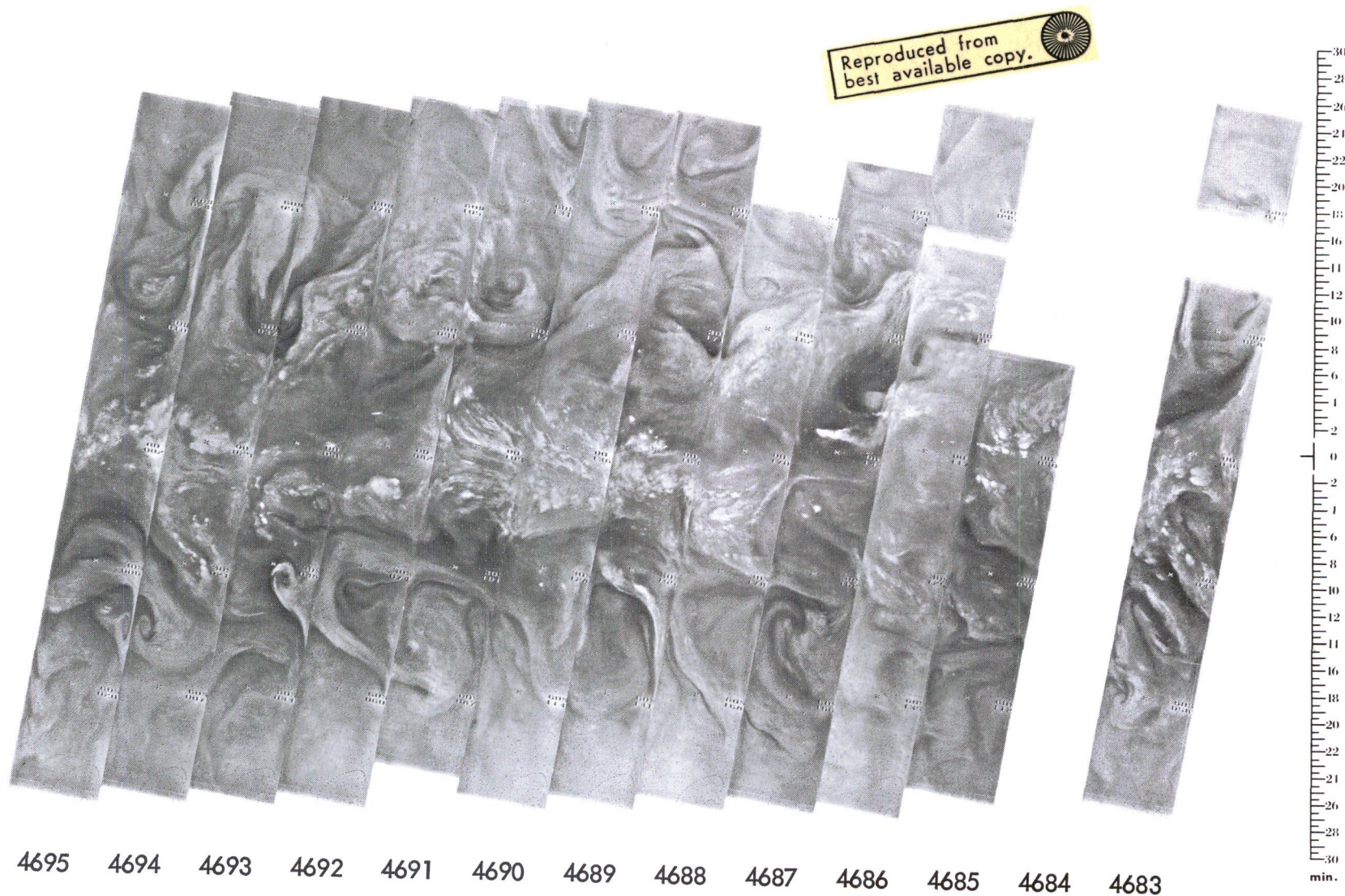
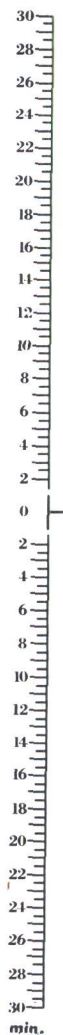
4-48



4695 4694 -4693 4692 4691 4690 4689 4688 4687 4686 4685 4684 4683

23 MARCH 1971

11.5μm



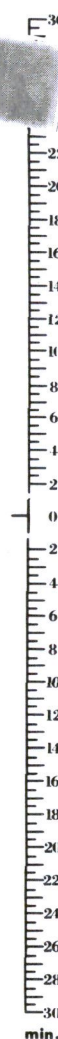
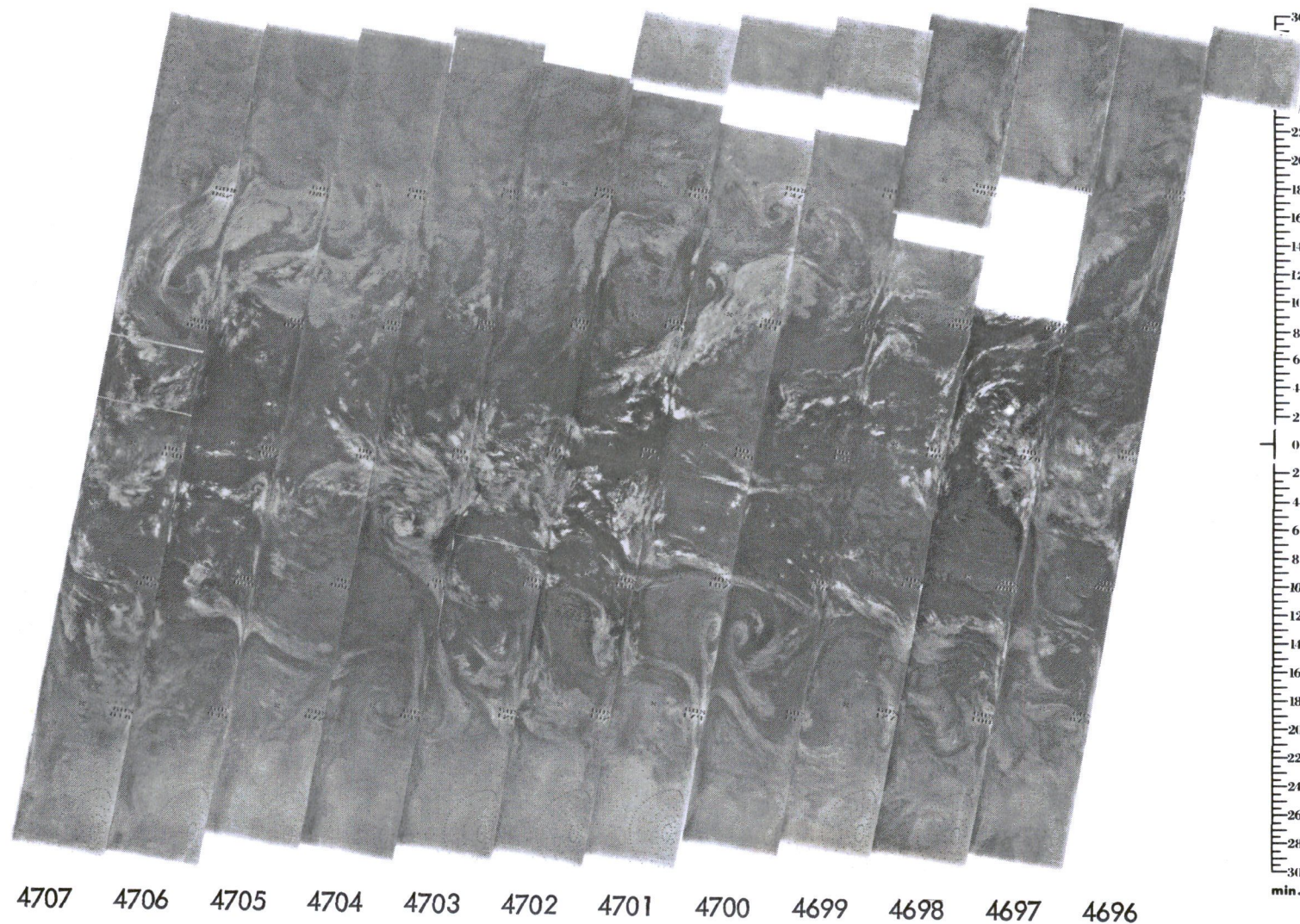
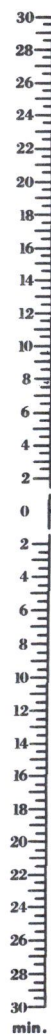
Reproduced from
best available copy.

4695 4694 4693 4692 4691 4690 4689 4688 4687 4686 4685 4684 4683

23 MARCH 1971

6.7 μ m

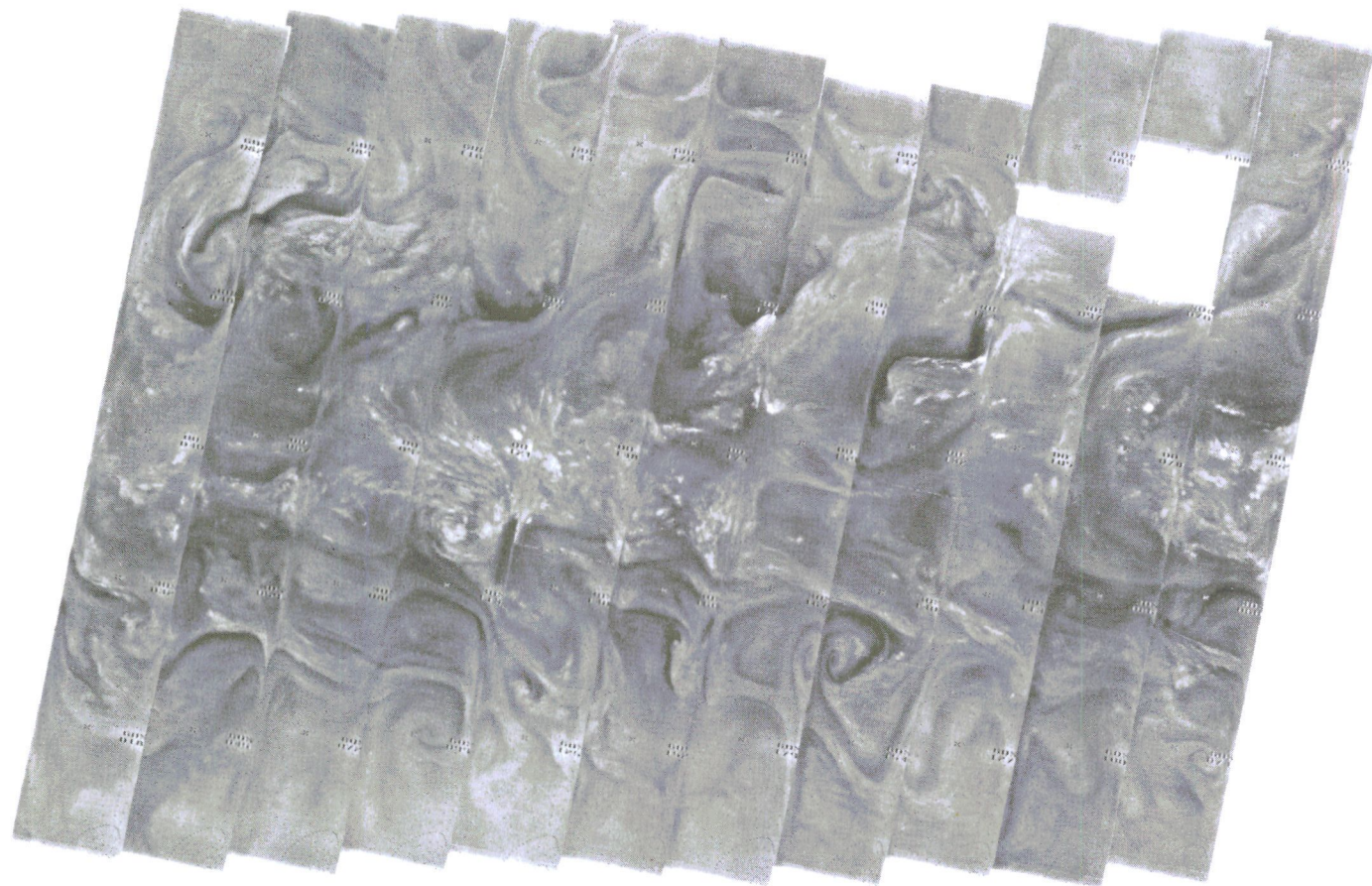
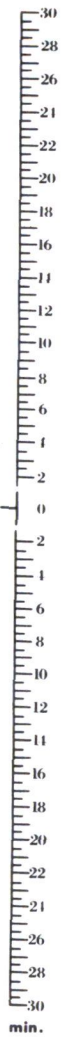
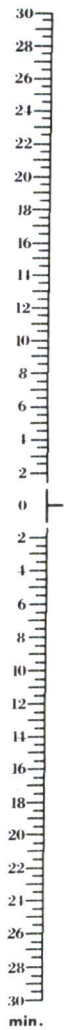
4-50



24 MARCH 1971

11.5μm

4-51

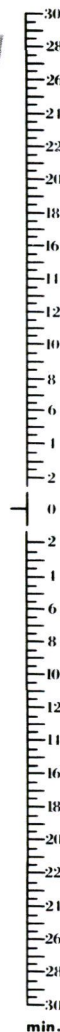
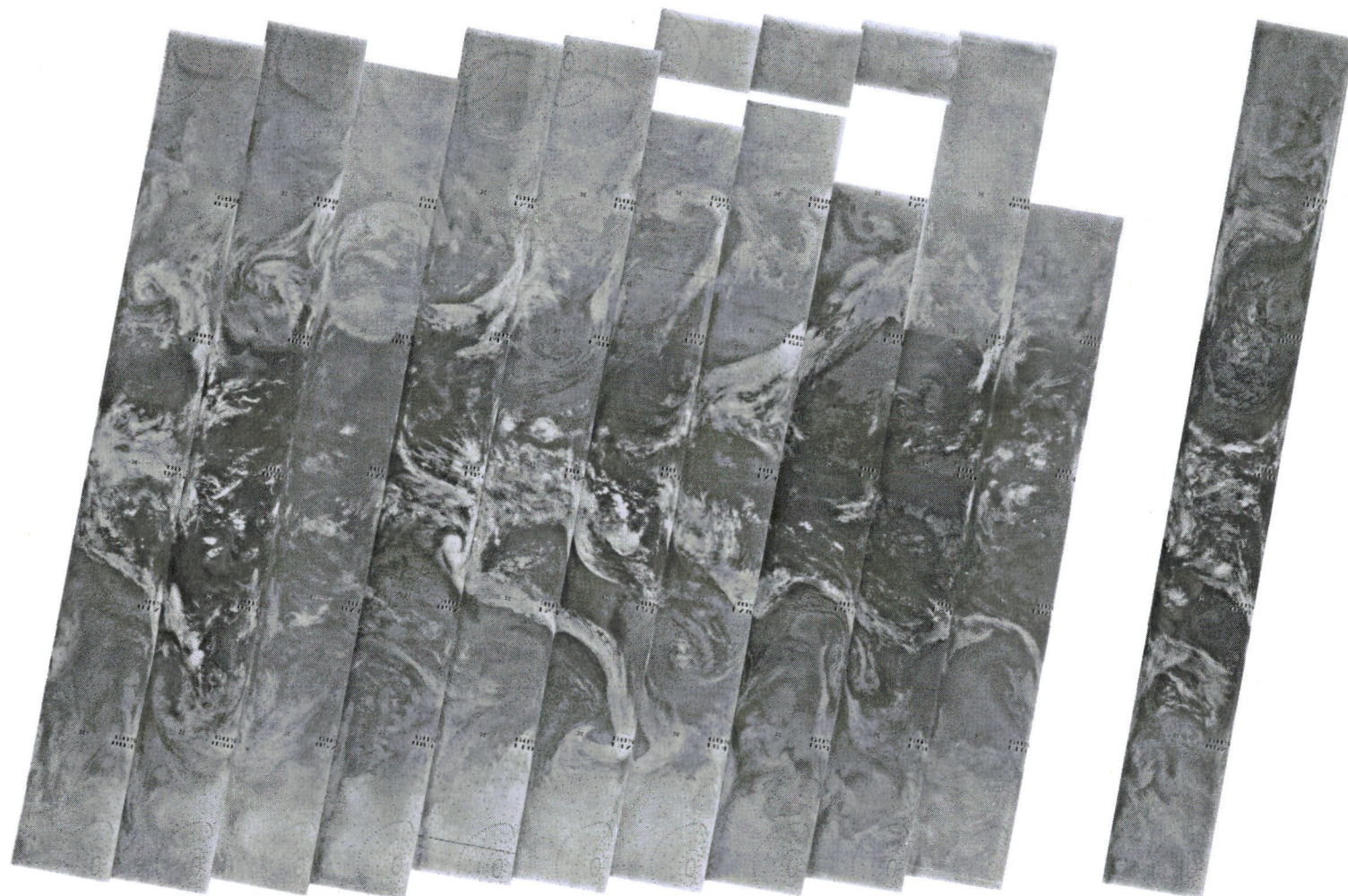
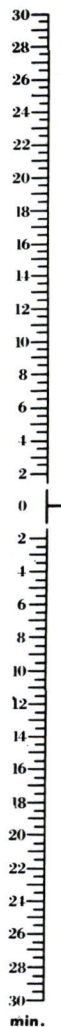


4709 4708 4707 4706 4705 4704 4703 4702 4701 4700 4699 4698 4697 4696

24 MARCH 1971

6.7 μ m

4-52

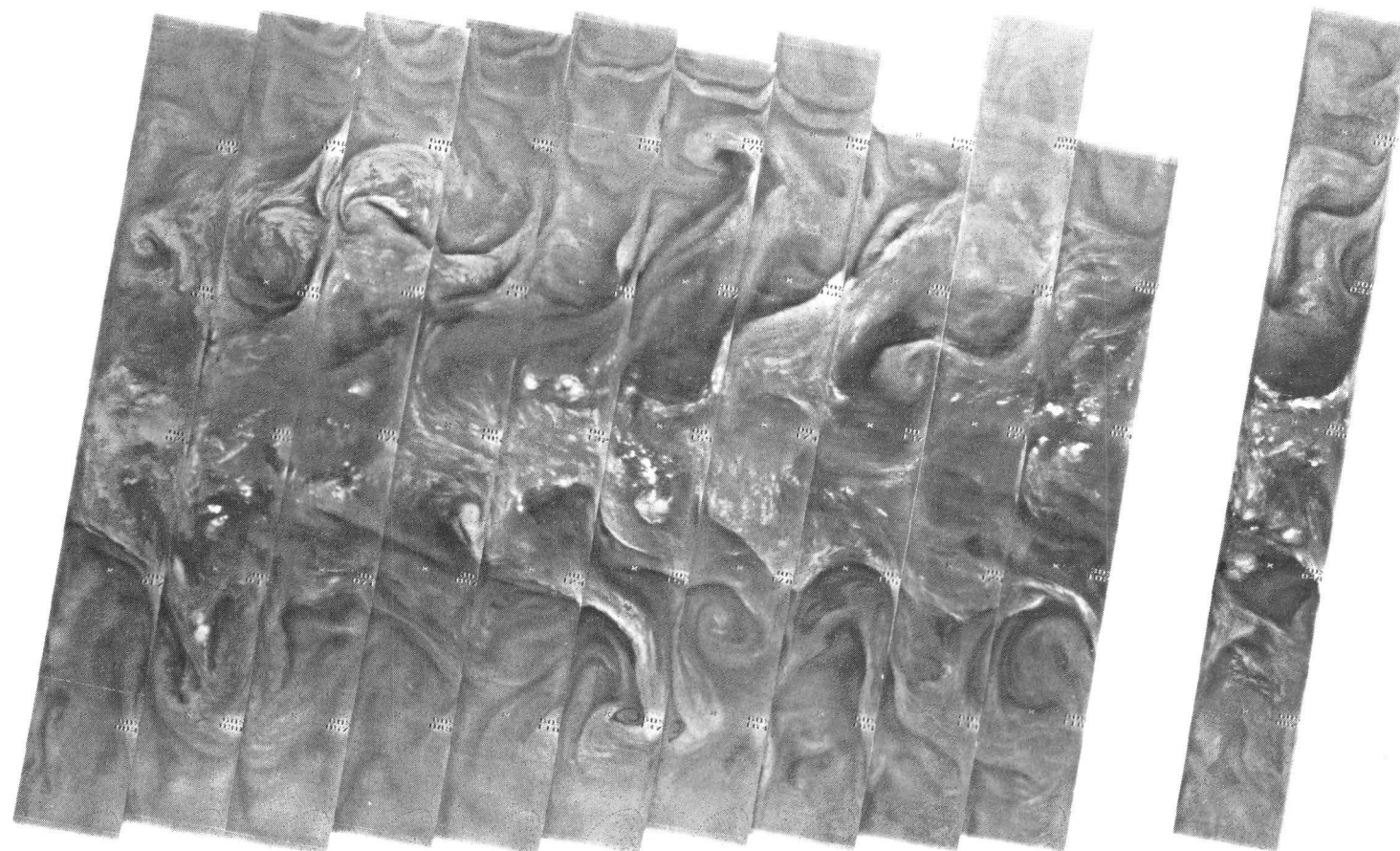
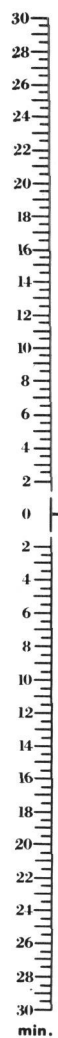


4722 4721 4720 4719 4718 4717 4716 4715 4714 4713 4712 4711 4710

25 MARCH 1971

11.5 μ m

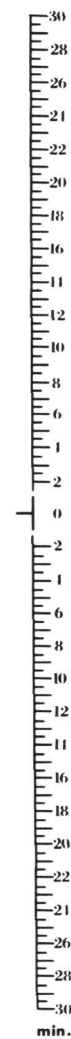
4-53



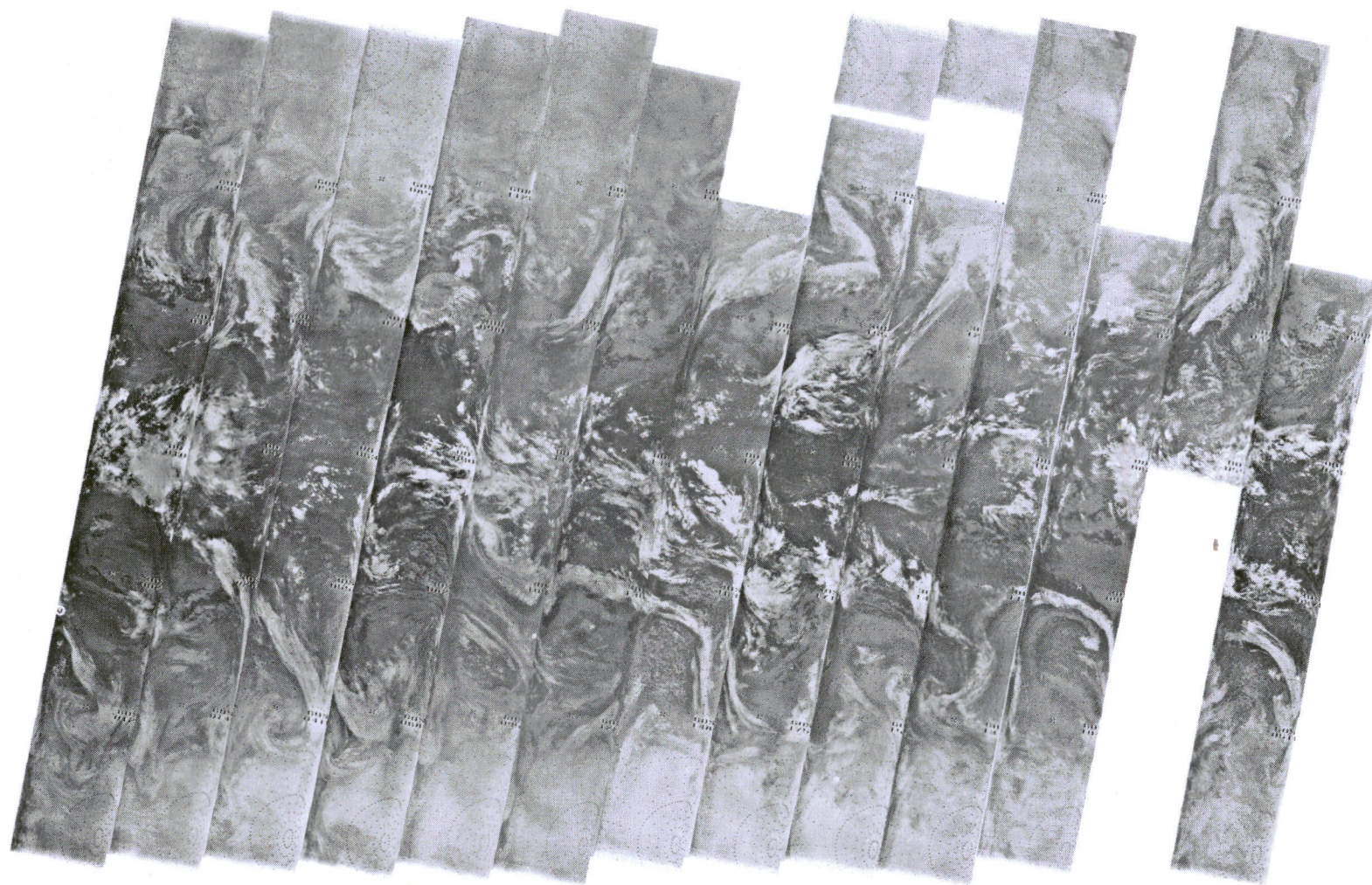
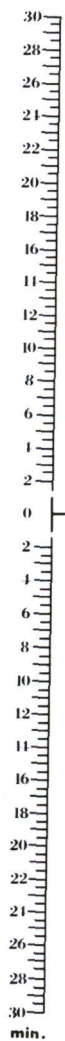
4722 4721 4720 4719 4718 4717 4716 4715 4714 4713 4712 4711 4710

25 MARCH 1971

6.7 μ m



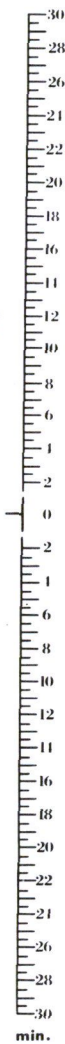
4-54



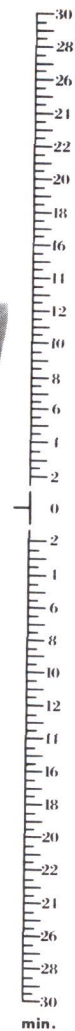
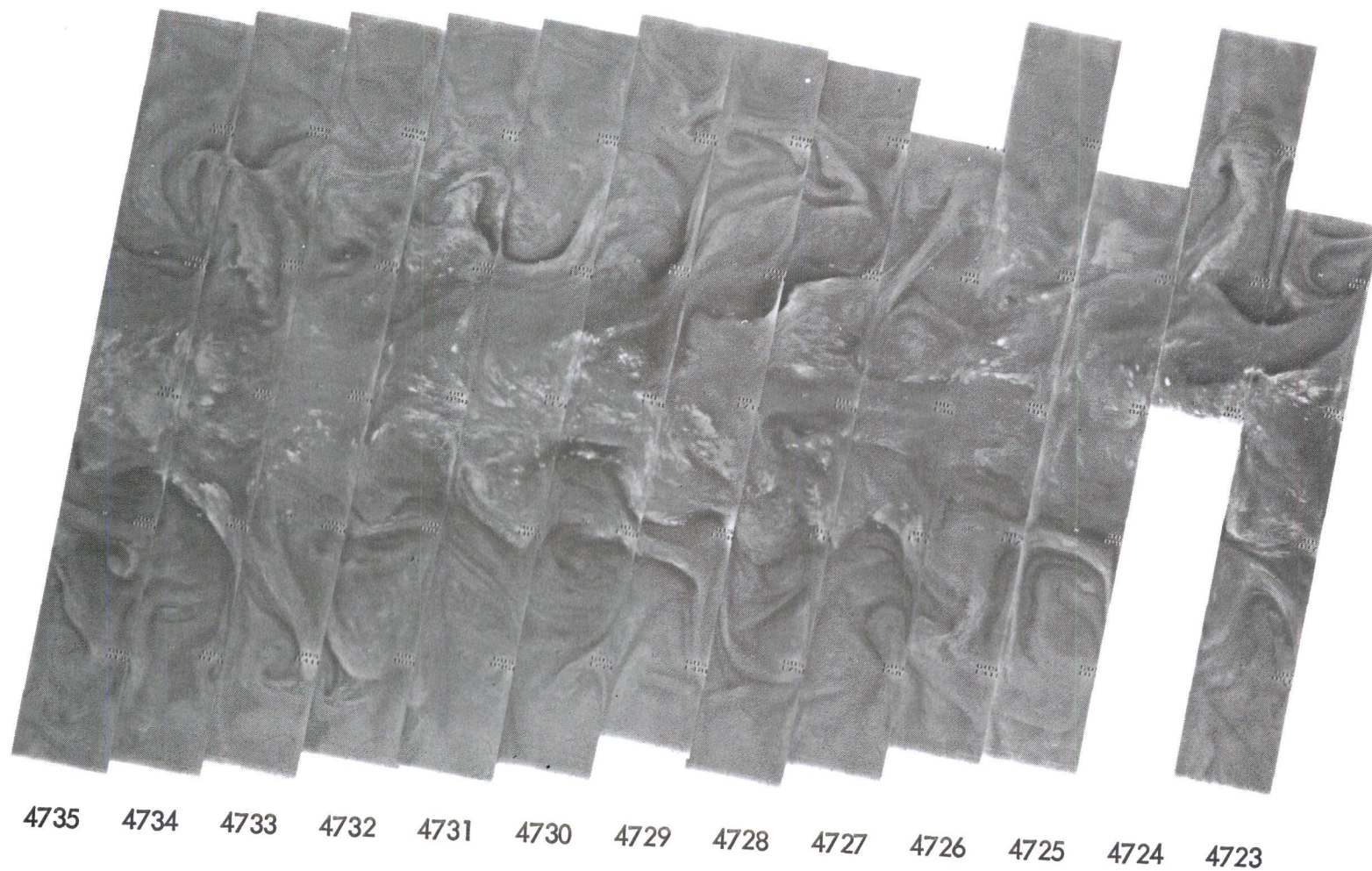
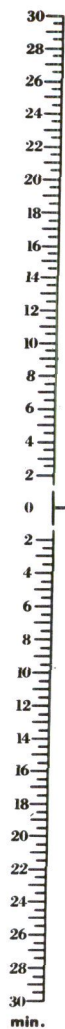
4735 4734 4733 4732 4731 4730 4729 4728 4727 4726 4725 4724 4723

26 MARCH 1971

11.5 μ m



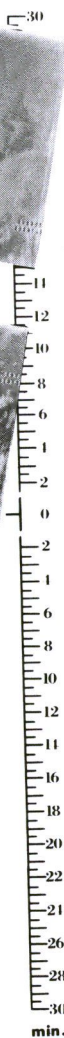
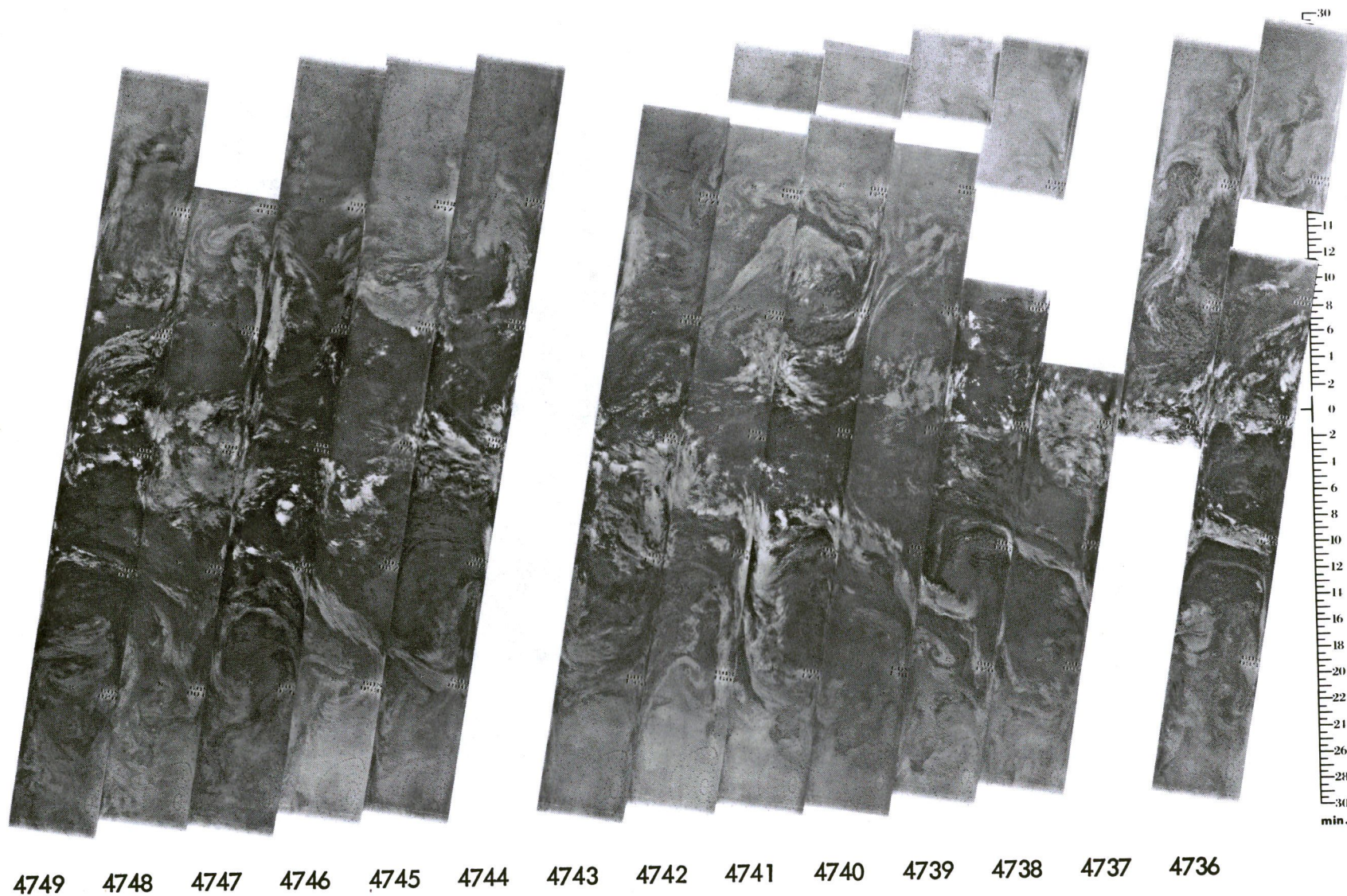
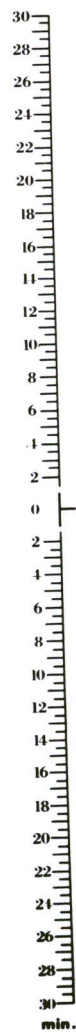
4-55



26 MARCH 1971

6.7 μ m

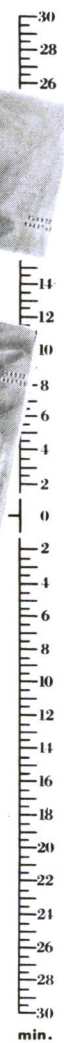
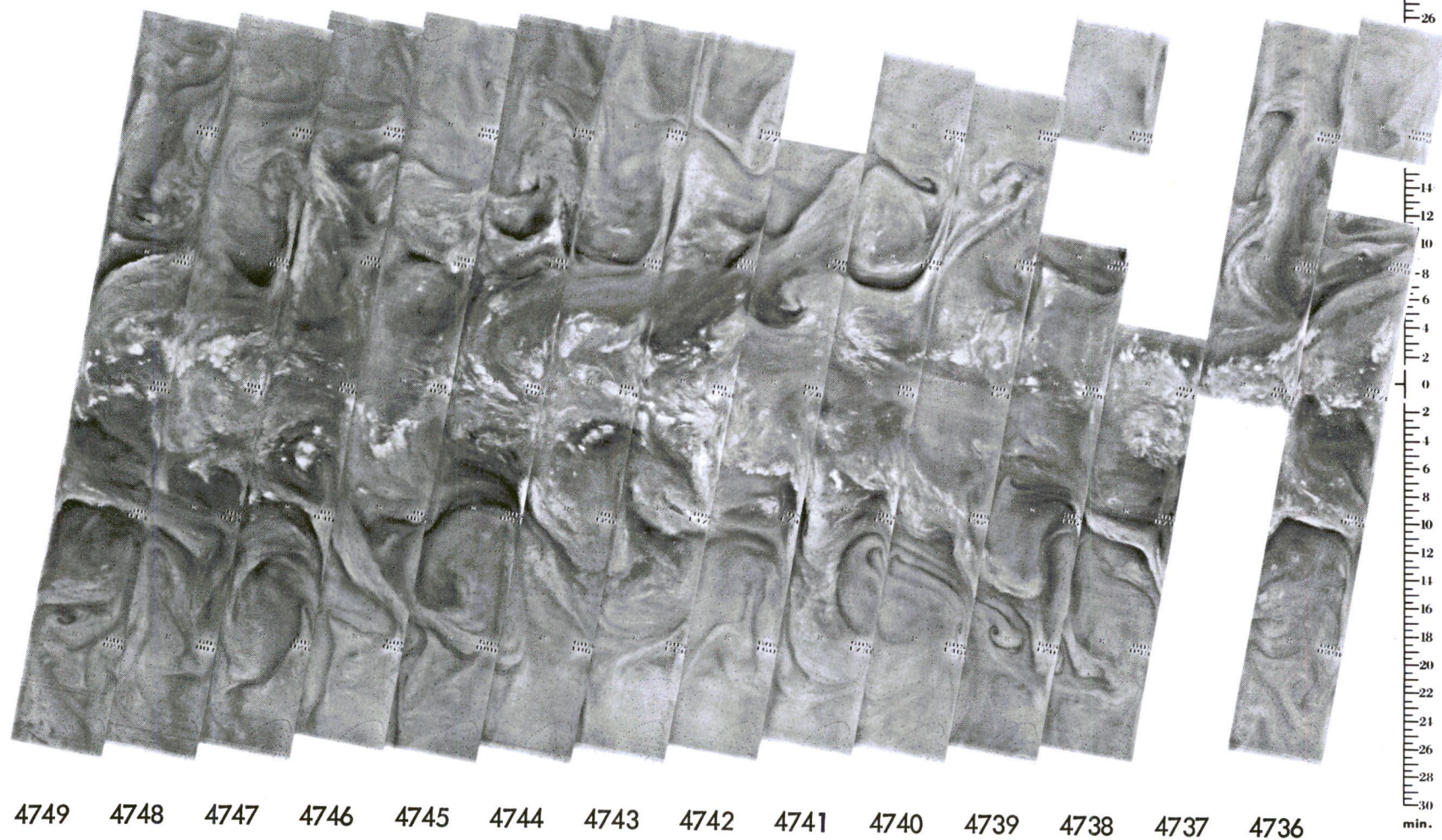
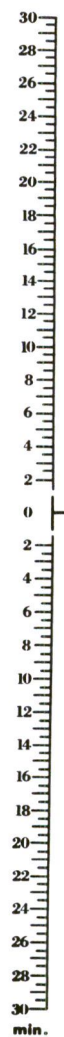
4-56



27 MARCH 1971

11.5 μ m

4-57

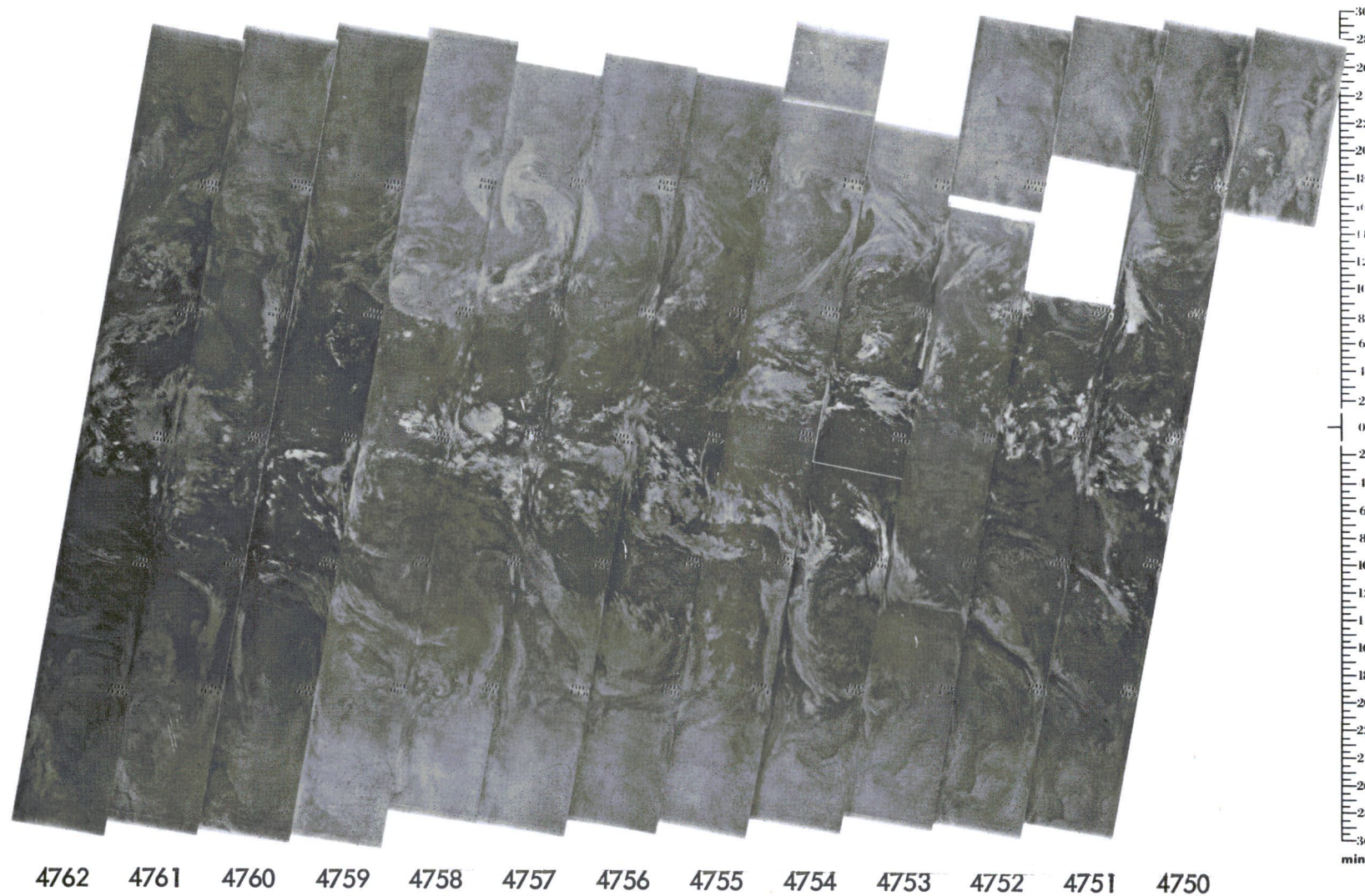


27 MARCH 1971

6.7 μ m

4-58

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

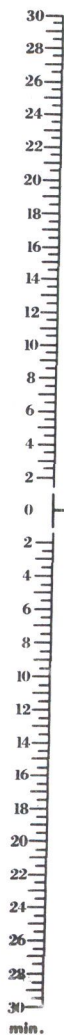


30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

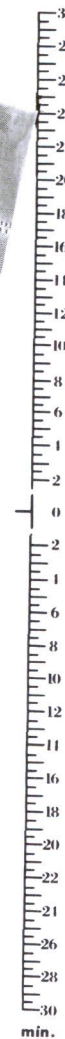
28 MARCH 1971

11.5 μ m

4-59



Reproduced from
best available copy.

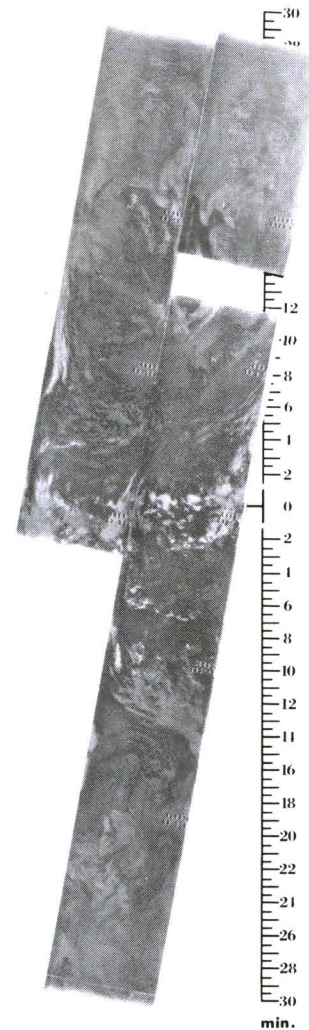
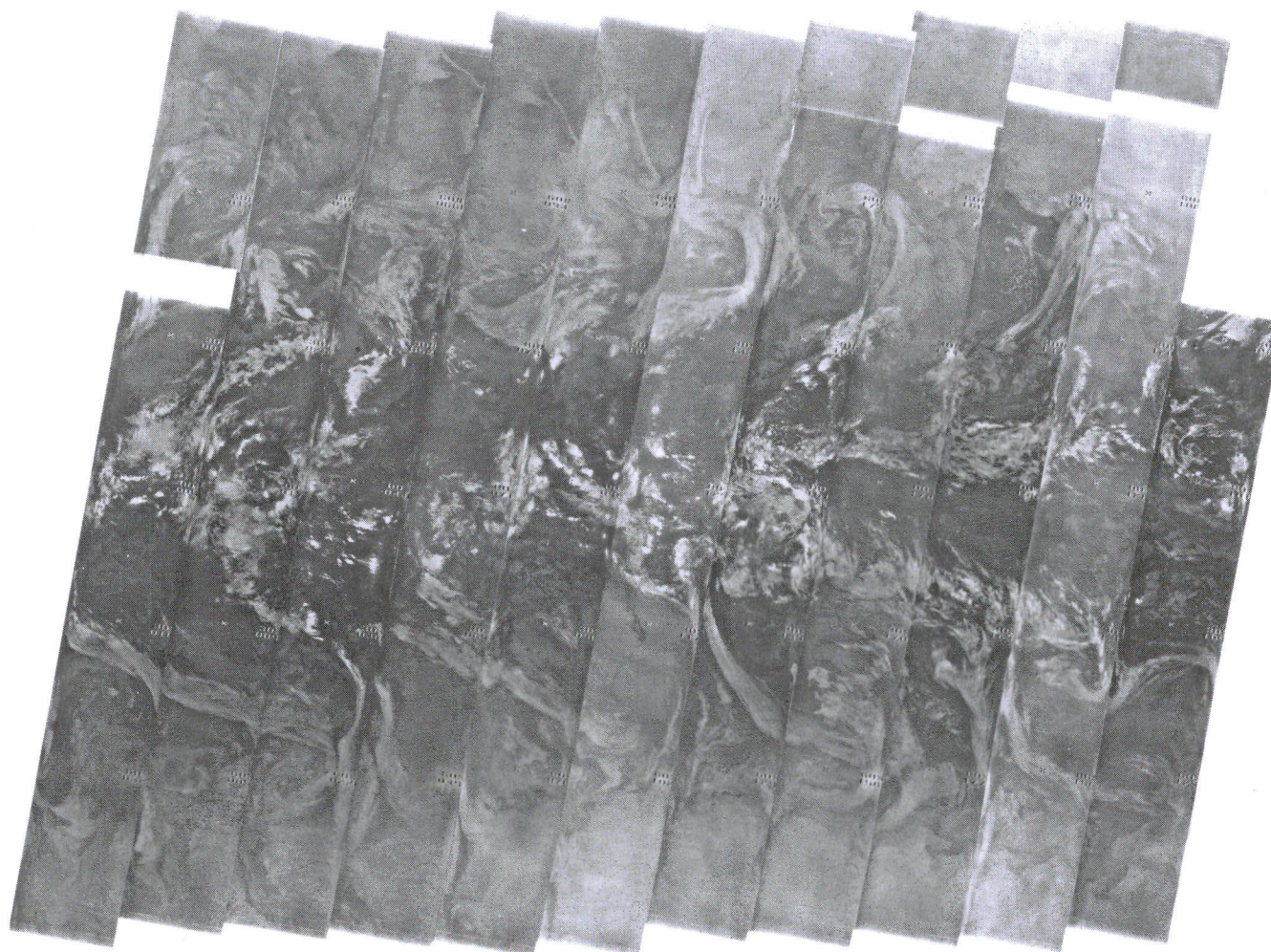
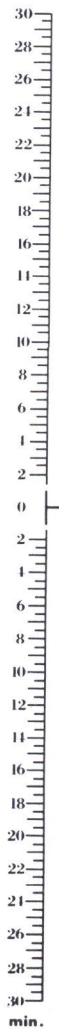


4762 4761 4760 4759 4758 4757 4756 4755 4754 4753 4752 4751 4750

28 MARCH 1971

6.7 μ m

4-60

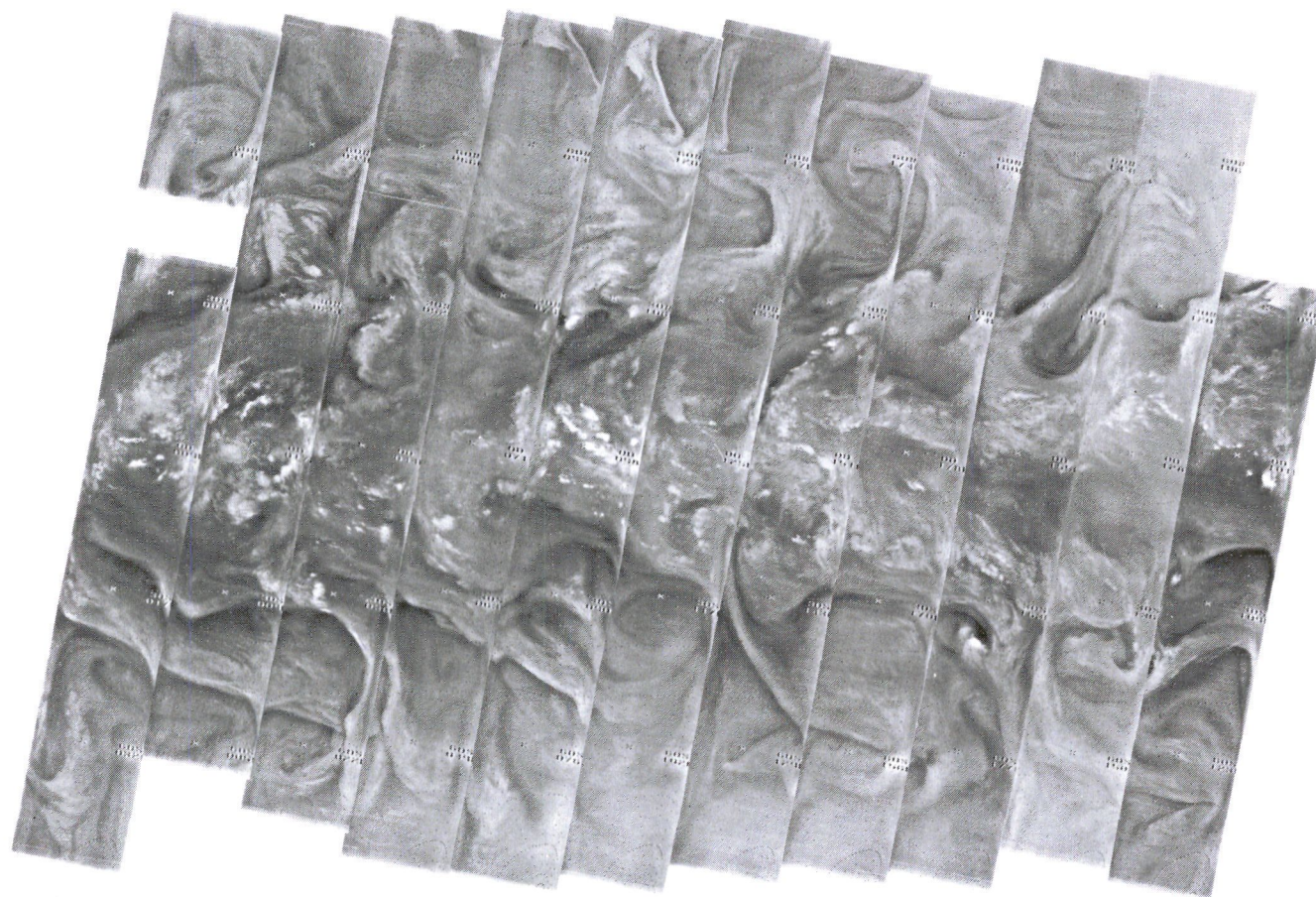
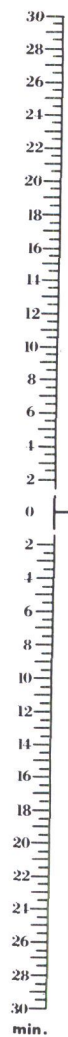


4776 4775 4774 4773 4772 4771 4770 4769 4768 4767 4766 4765 4764 4763

29 MARCH 1971

11.5 μ m

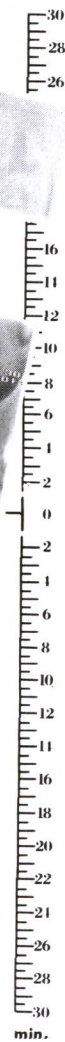
4-61



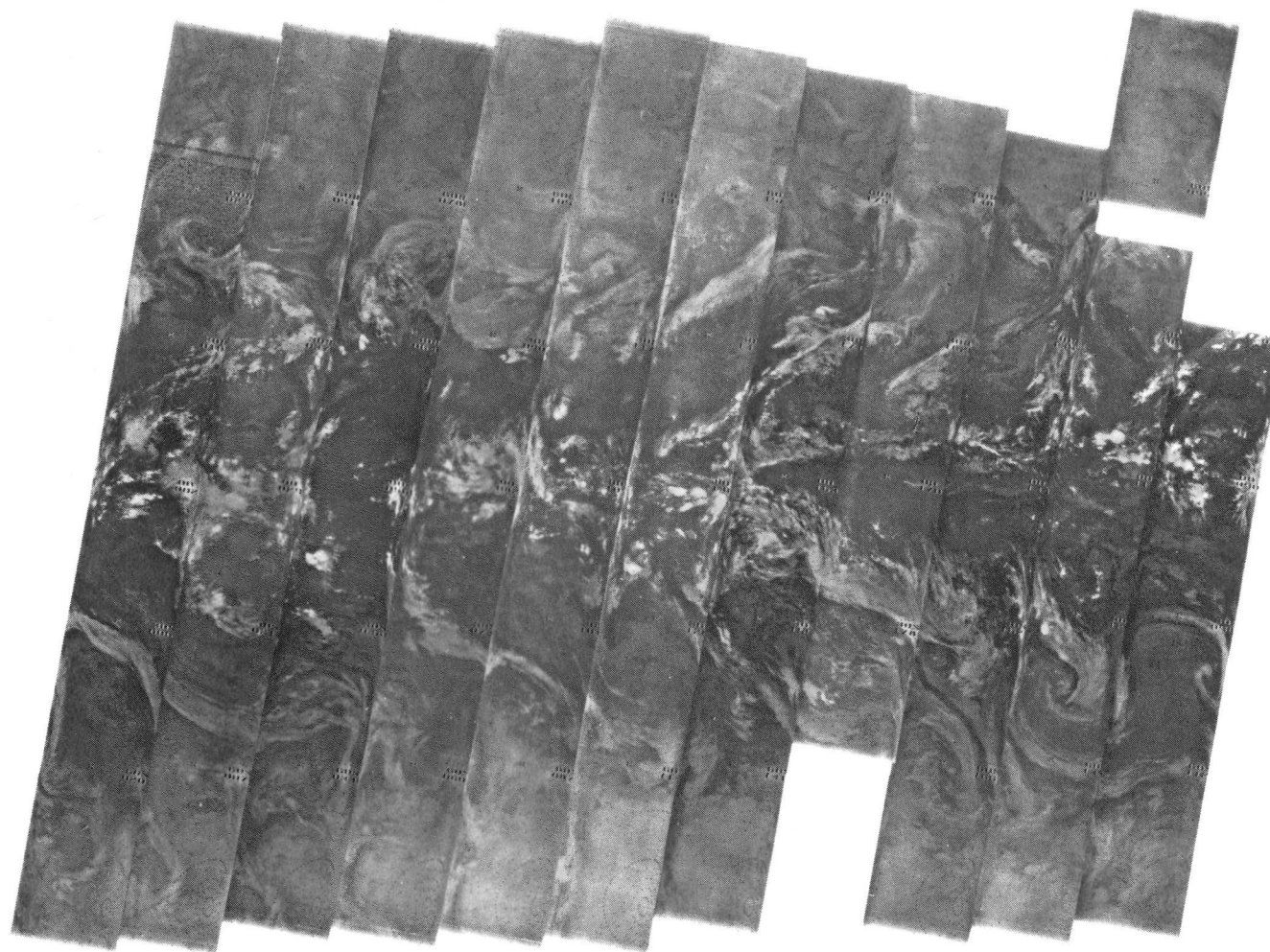
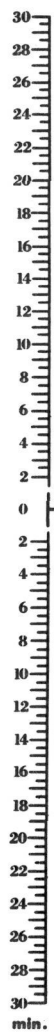
4776 4775 4774 4773 4772 4771 4770 4769 4768 4767 4766 4765 4764 4763

29 MARCH 1971

6.7 μ m



4-62

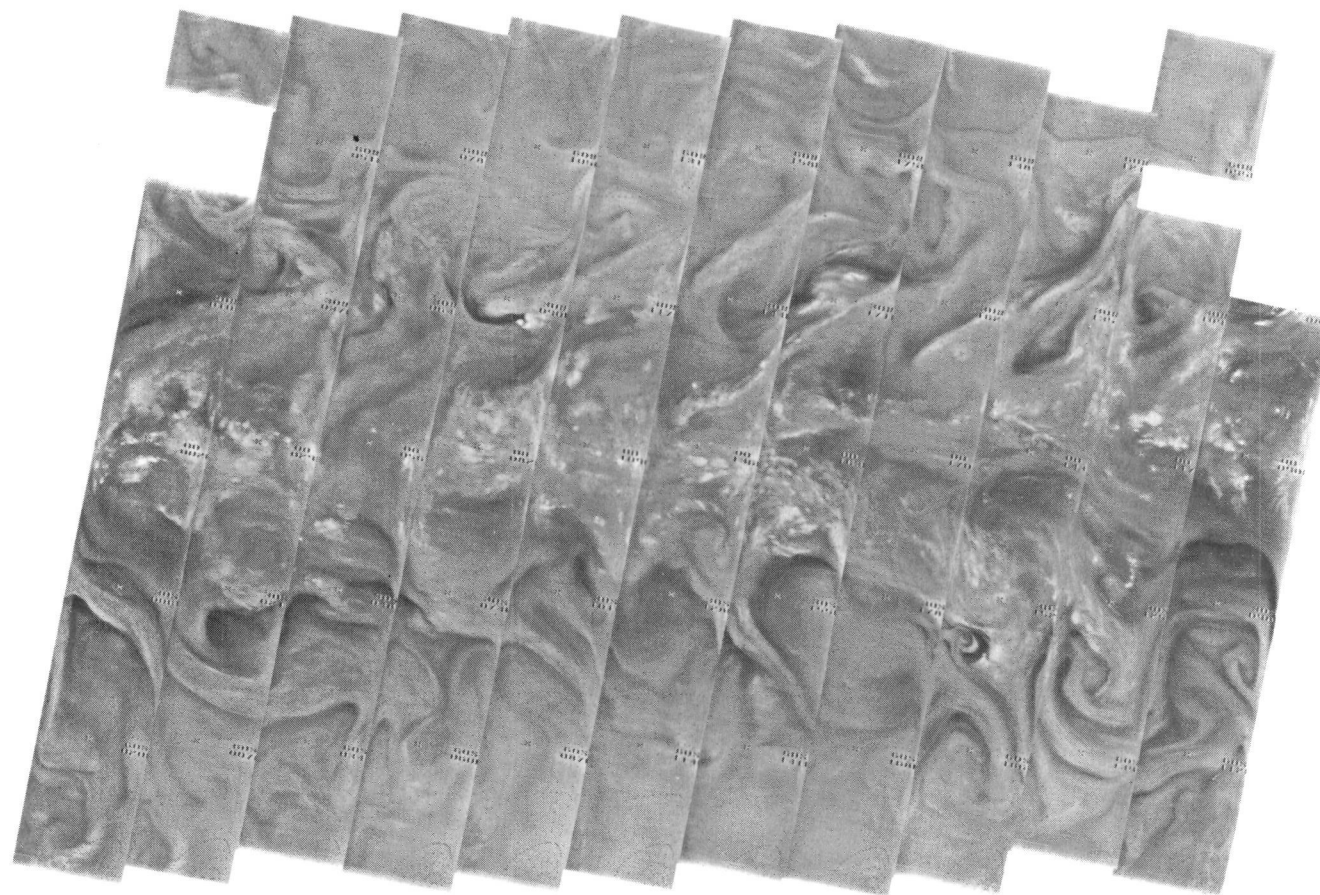
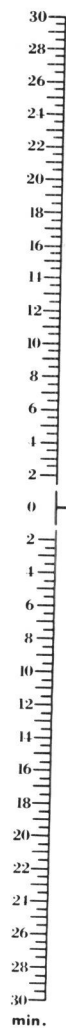


4789 4788 4787 4786 4785 4784 4783 4782 4781 4780 4779 4778 4777

30 MARCH 1971

11.5 μ m

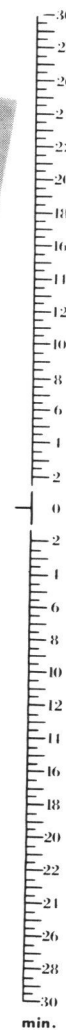
4-63



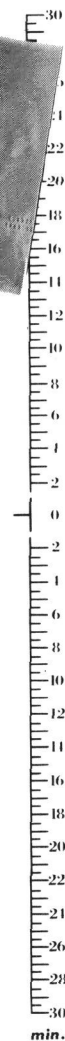
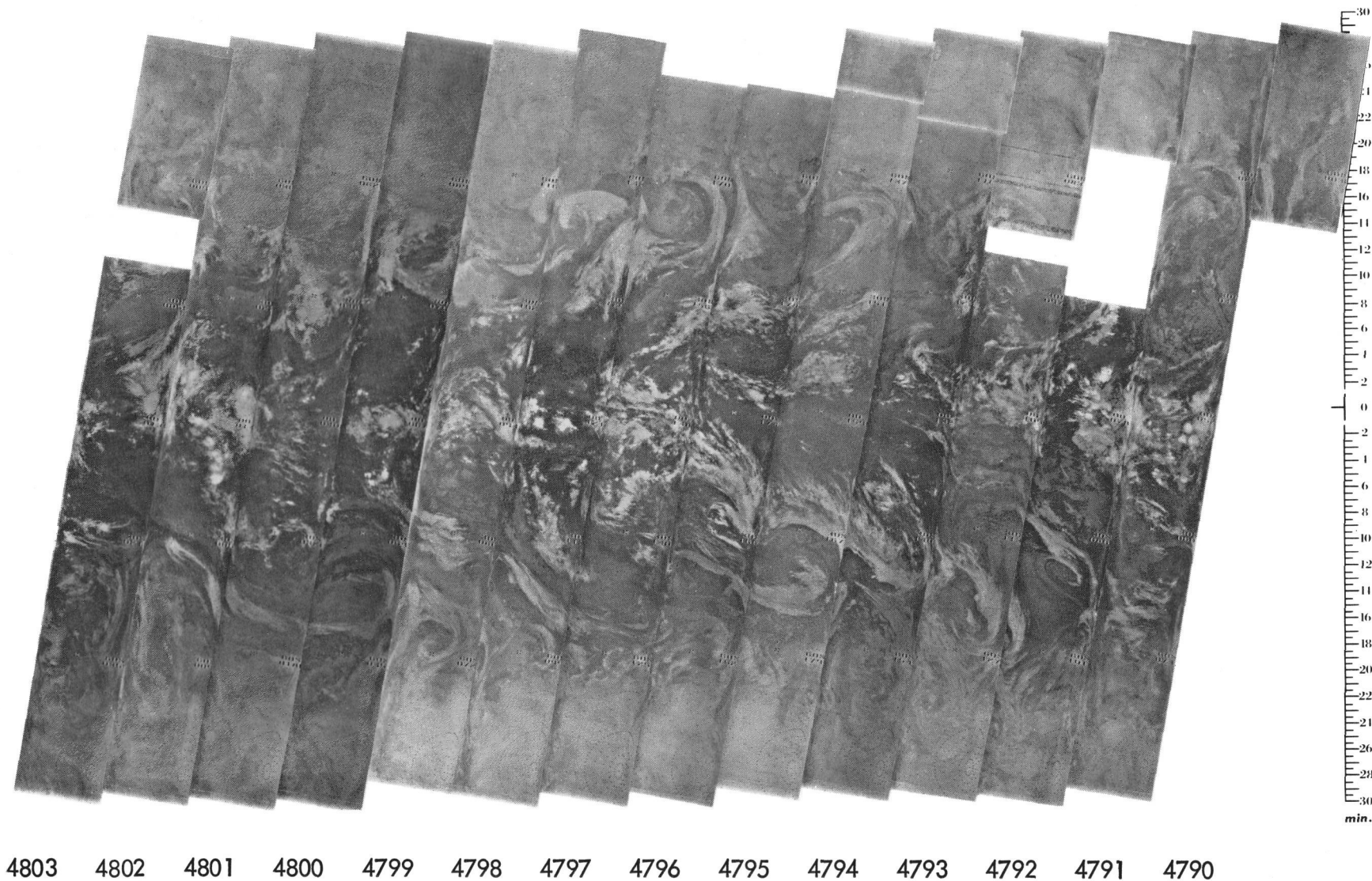
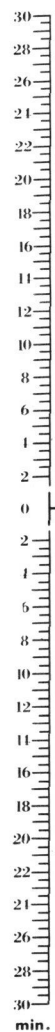
4789 4788 4787 4786 4785 4784 4783 4782 4781 4780 4779 4778 4777

30 MARCH 1971

6.7 μ m



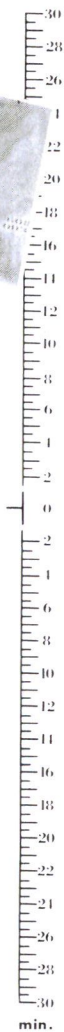
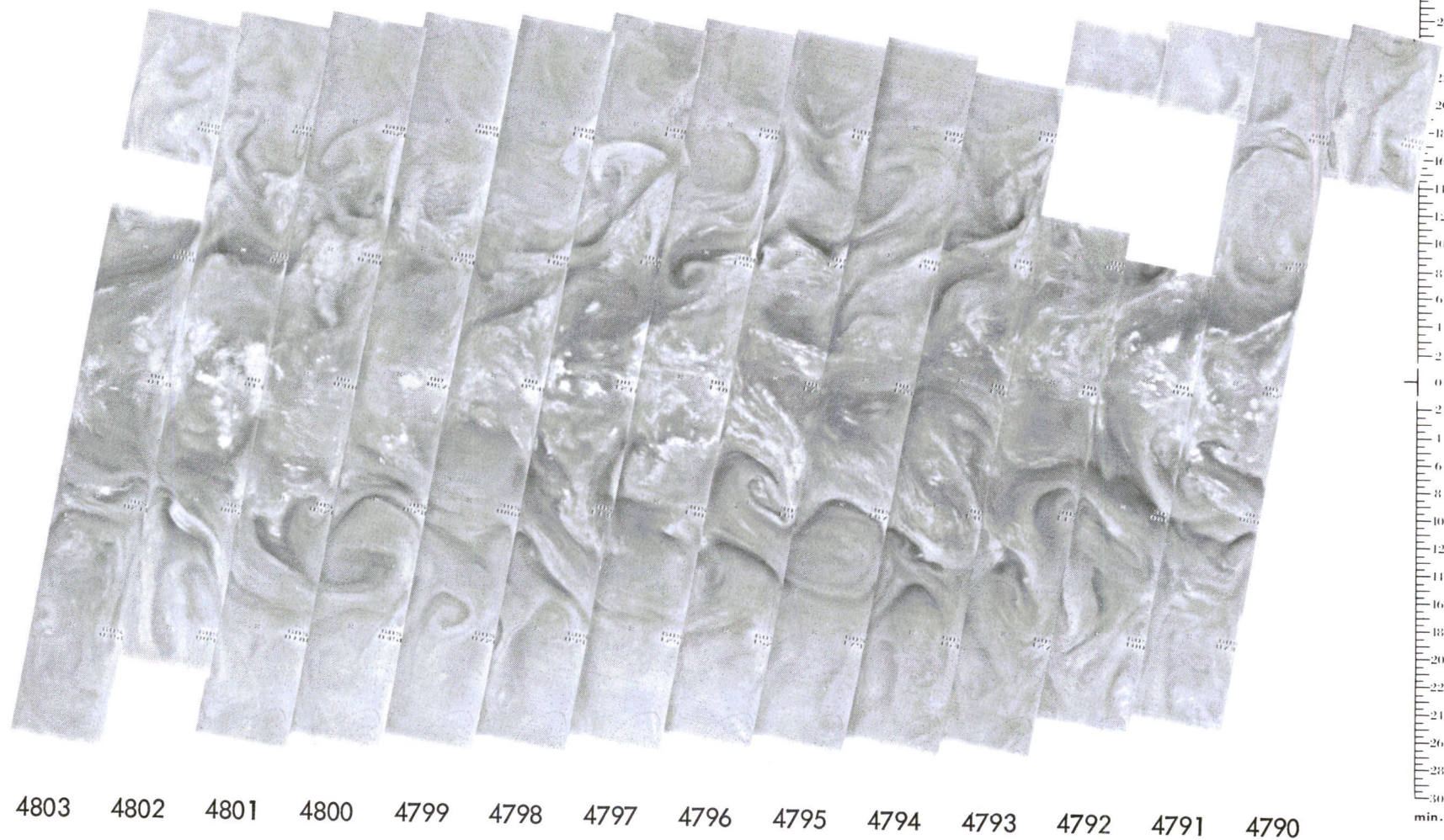
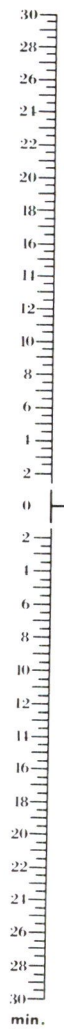
4-64



31 MARCH 1971

11.5μm

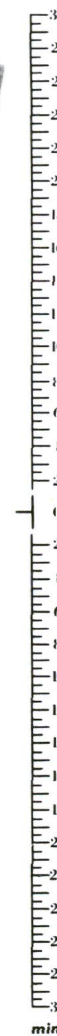
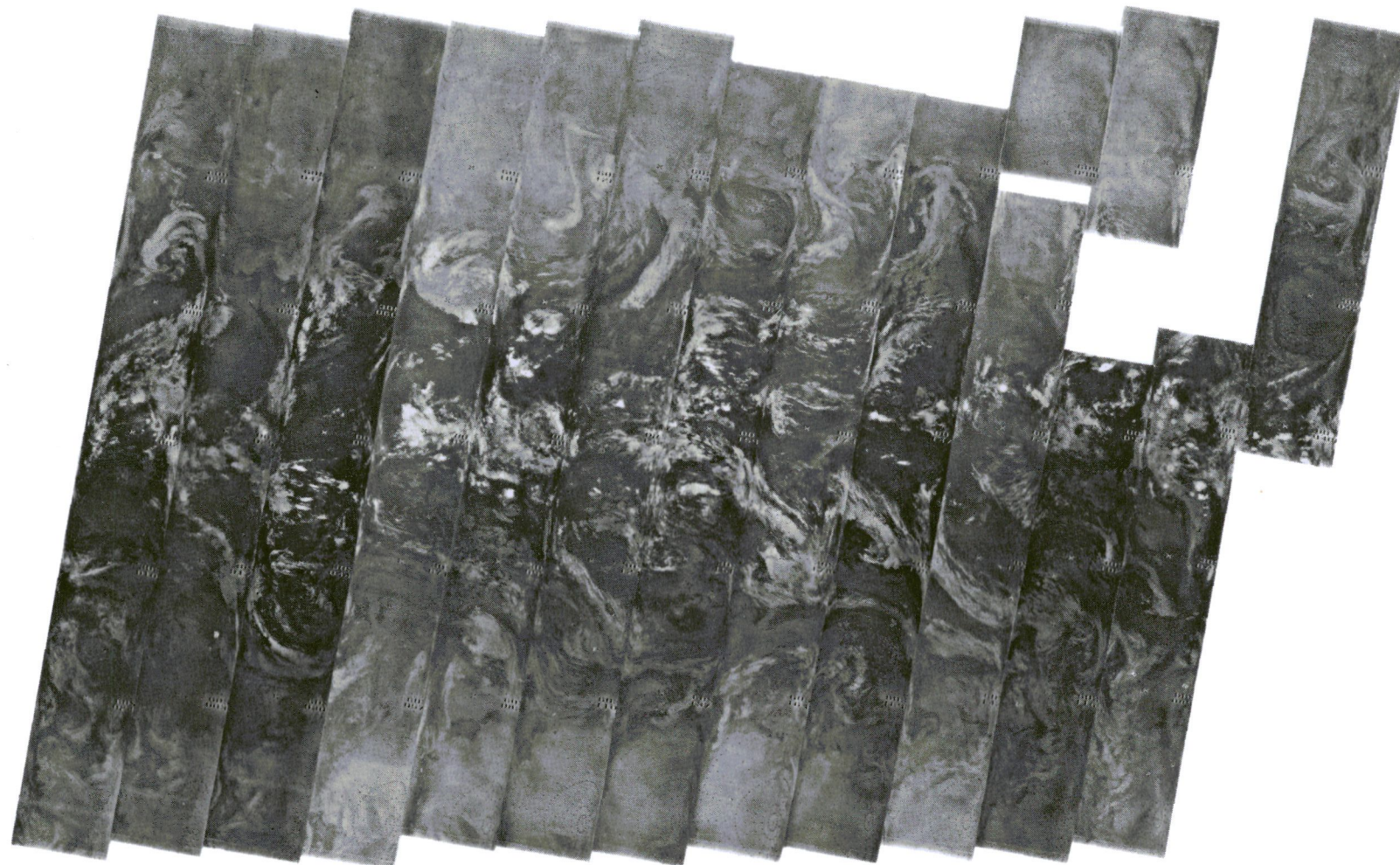
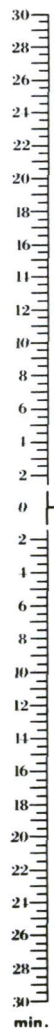
4-65



31 MARCH 1971

6.7 μ m

4-66

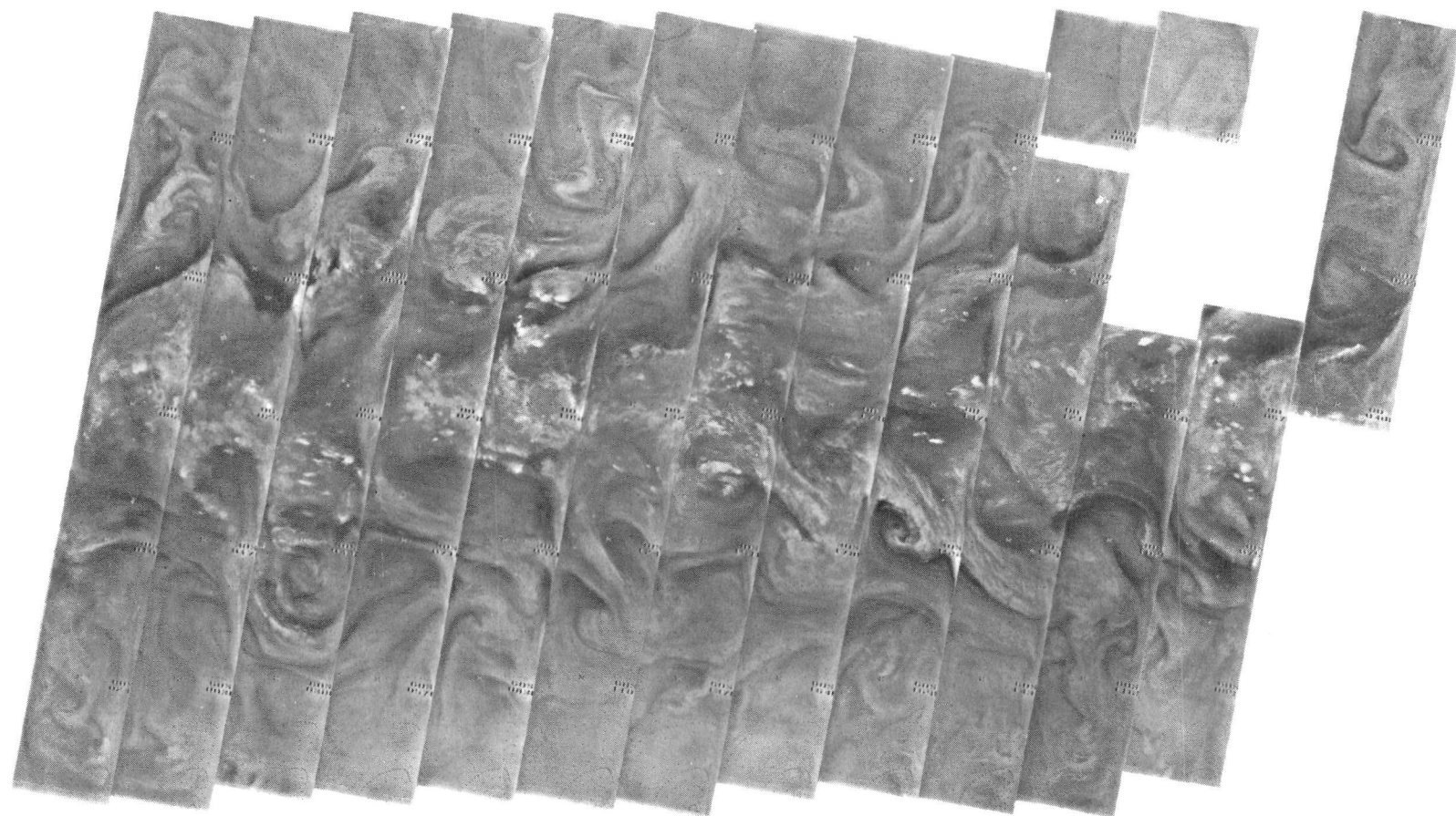
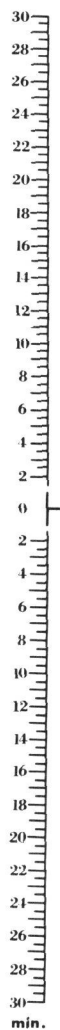


4816 4815 4814 4813 4812 4811 4810 4809 4808 4807 4806 4805 4804

1 APRIL 1971

11.5 μ m

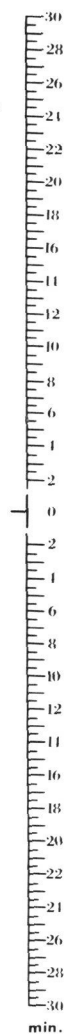
4-67



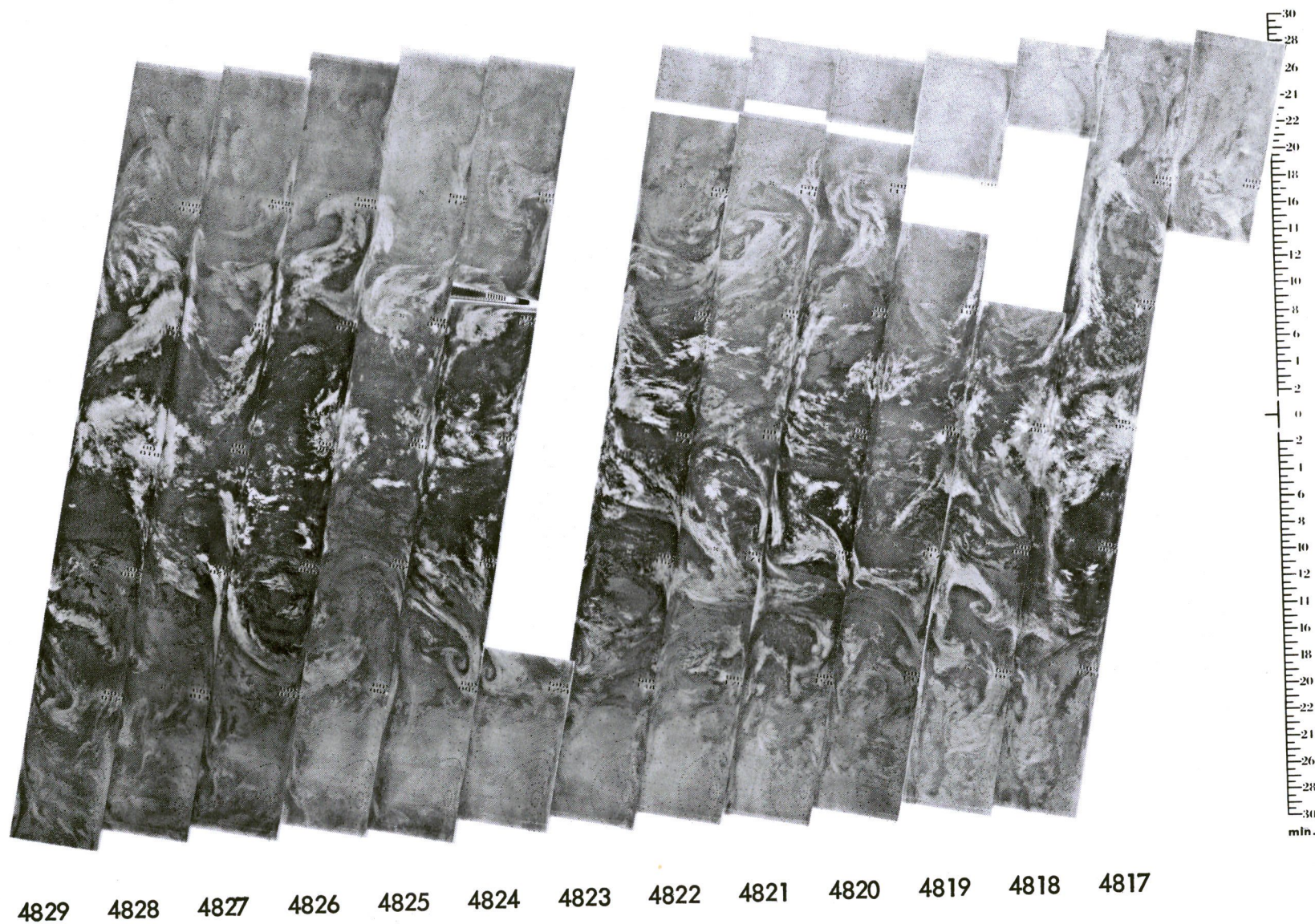
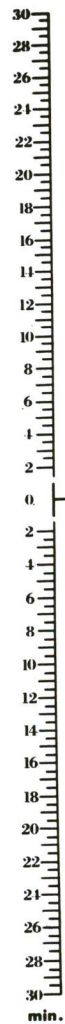
4816 4815 4814 4813 4812 4811 4810 4809 4808 4807 4806 4805 4804

1 APRIL 1971

6.7 μ m

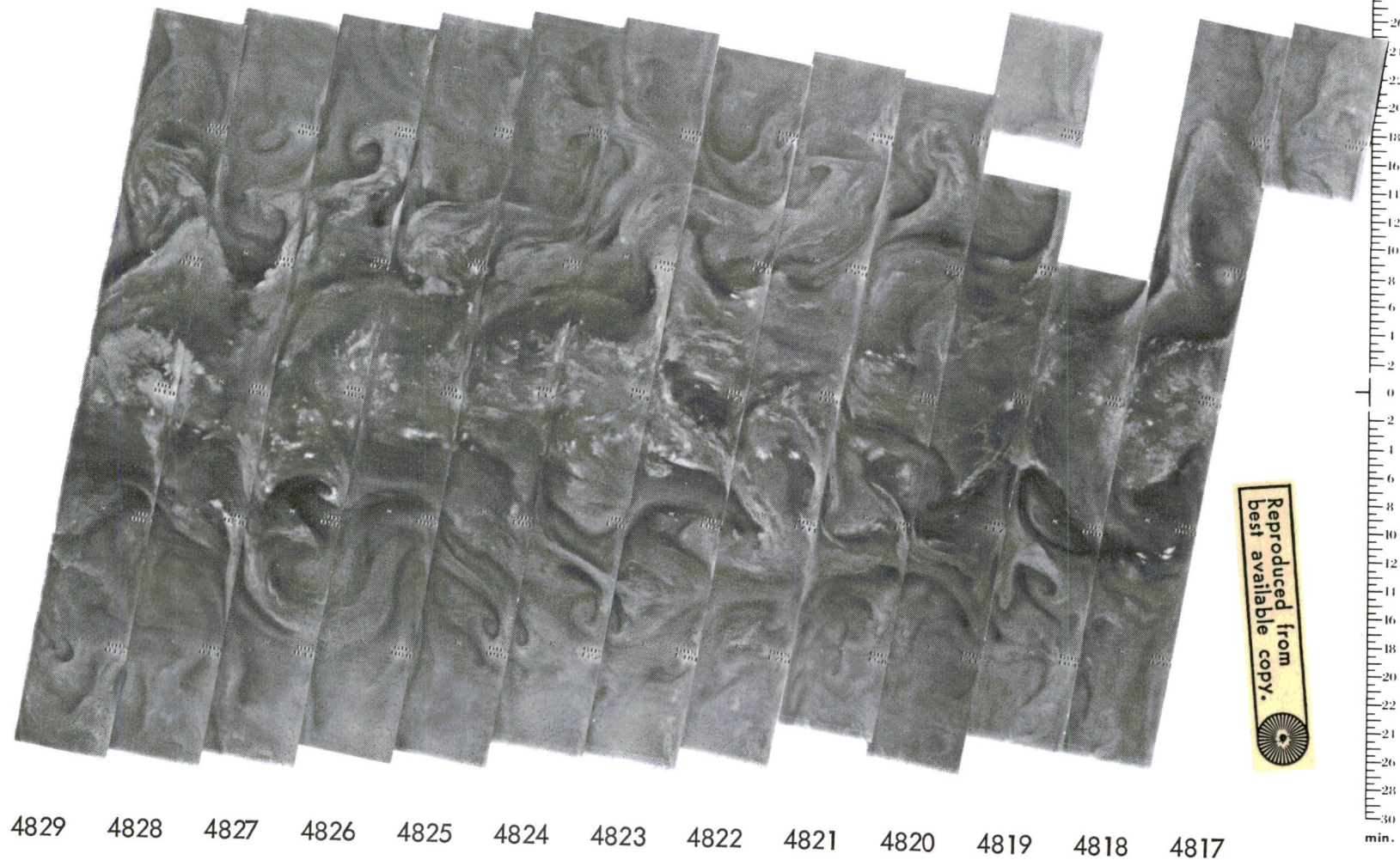
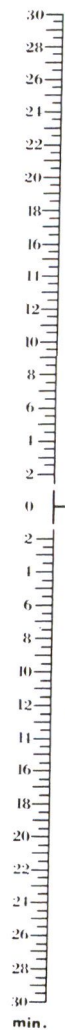


4-68

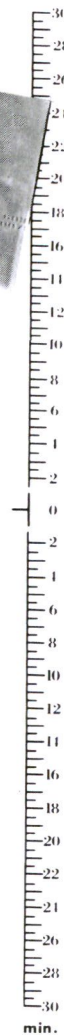


2 APRIL 1971

11.5 μ m



Reproduced from
best available copy.

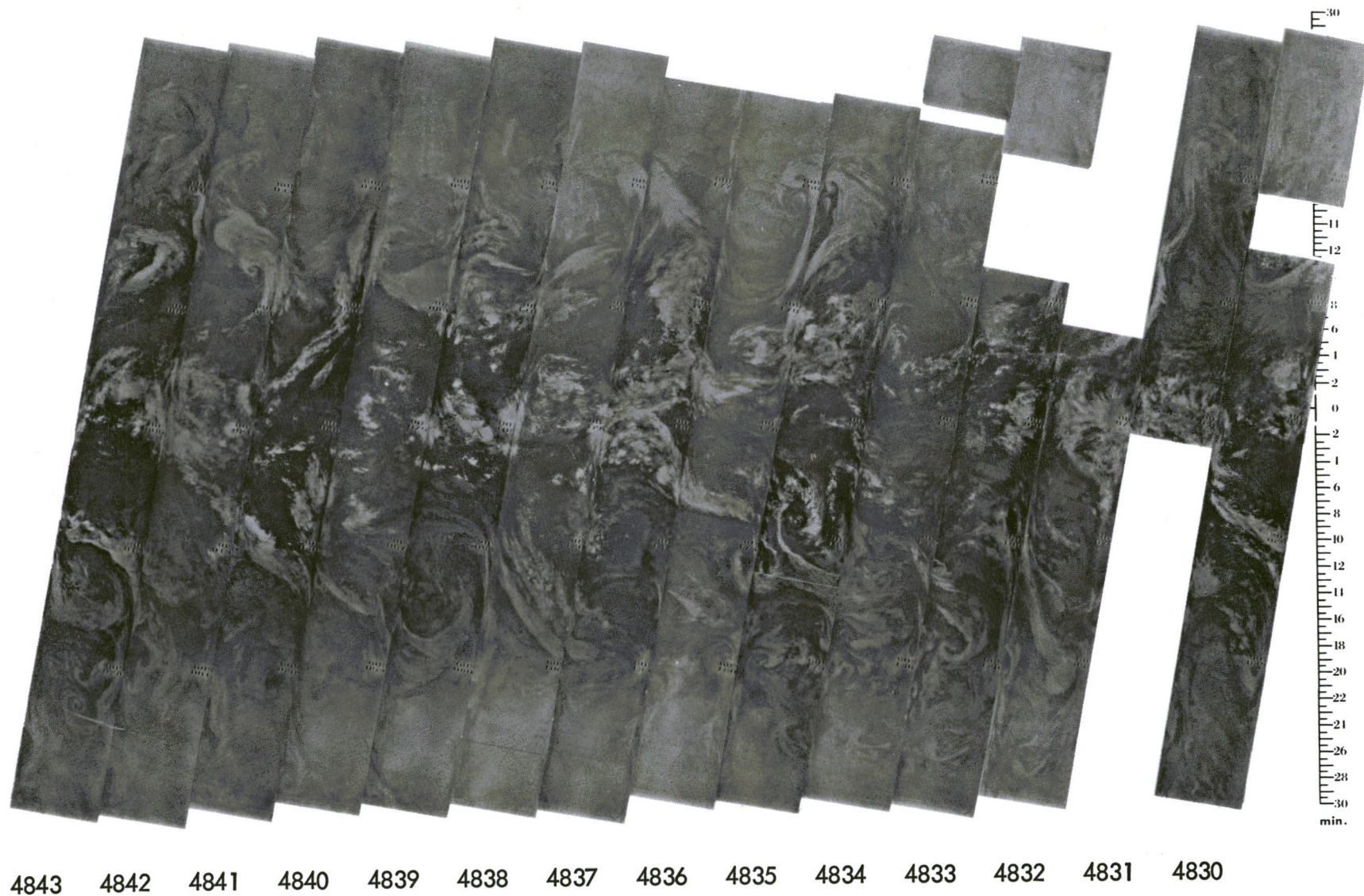
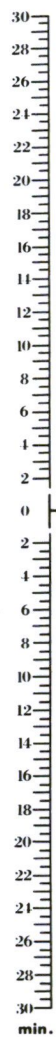


4829 4828 4827 4826 4825 4824 4823 4822 4821 4820 4819 4818 4817

2 APRIL 1971

6.7 μ m

4-70

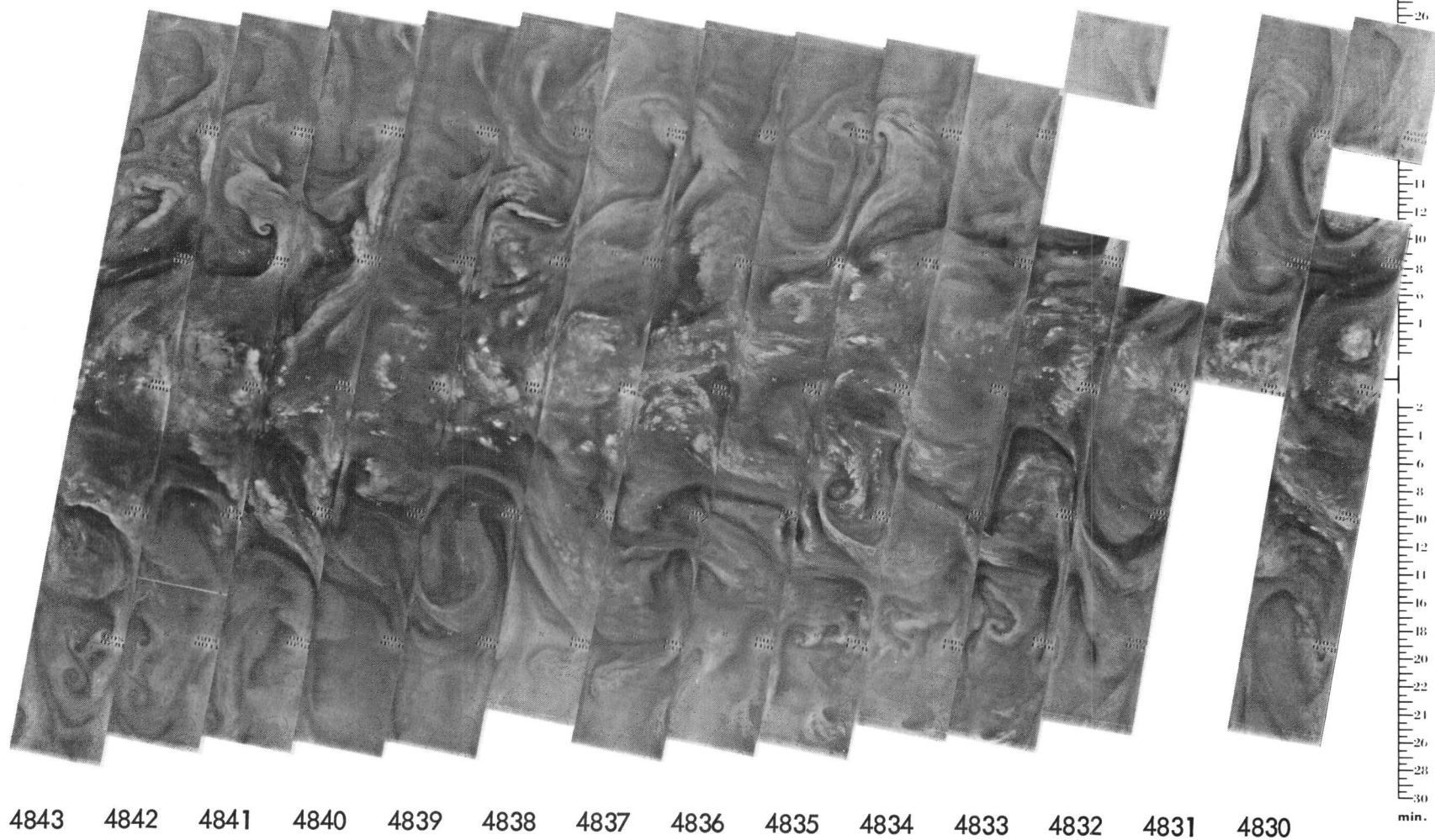
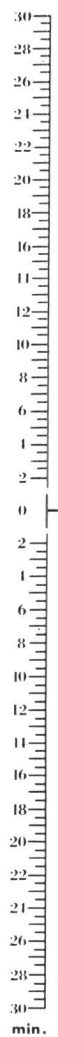


4843 4842 4841 4840 4839 4838 4837 4836 4835 4834 4833 4832 4831 4830

3 APRIL 1971

11.5 μ m

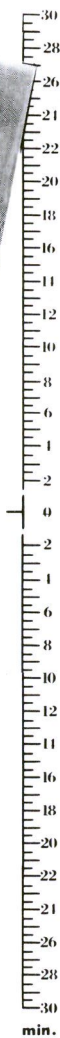
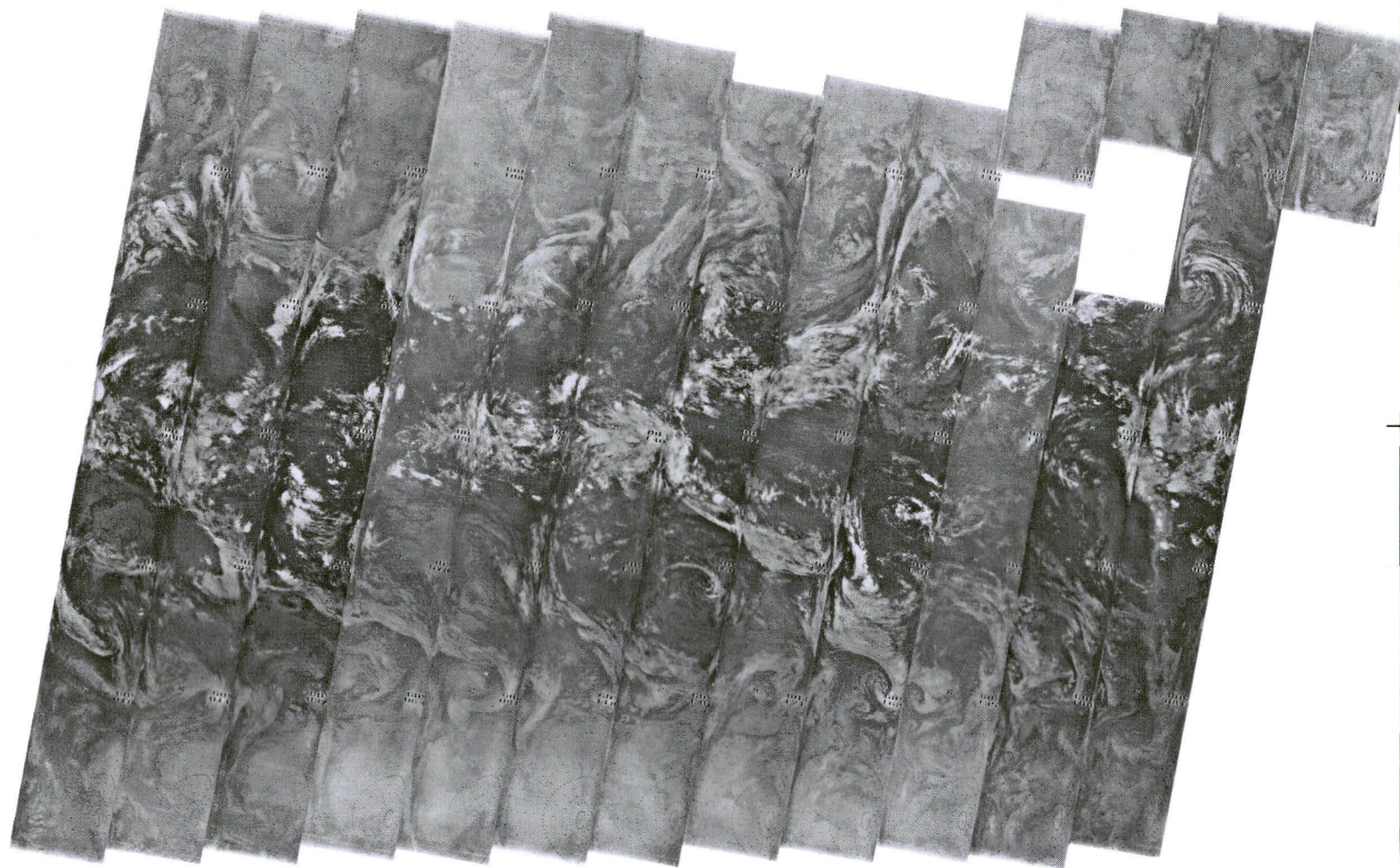
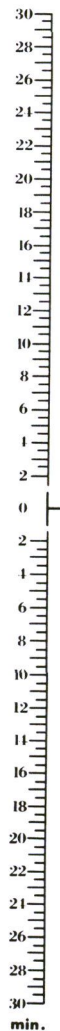
4-71



3 APRIL 1971

6.7 μ m

4-72

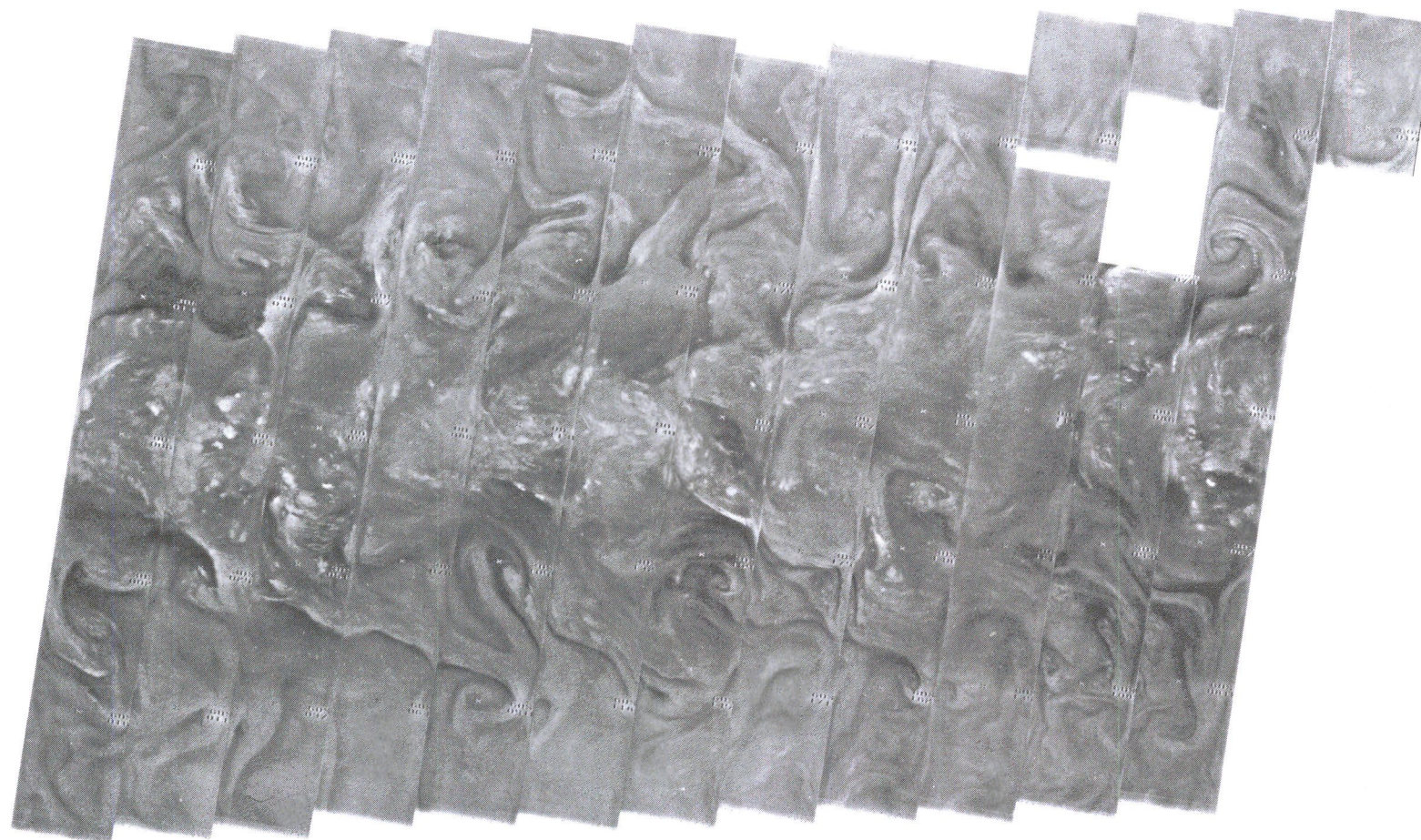
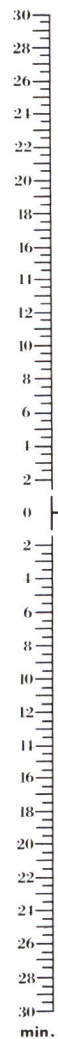


4856 4855 4854 4853 4852 4851 4850 4849 4848 4847 4846 4845 4844

4 APRIL 1971

11.5 μ m

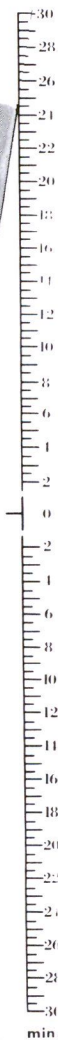
4-73



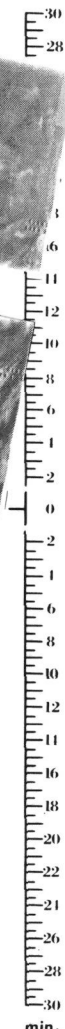
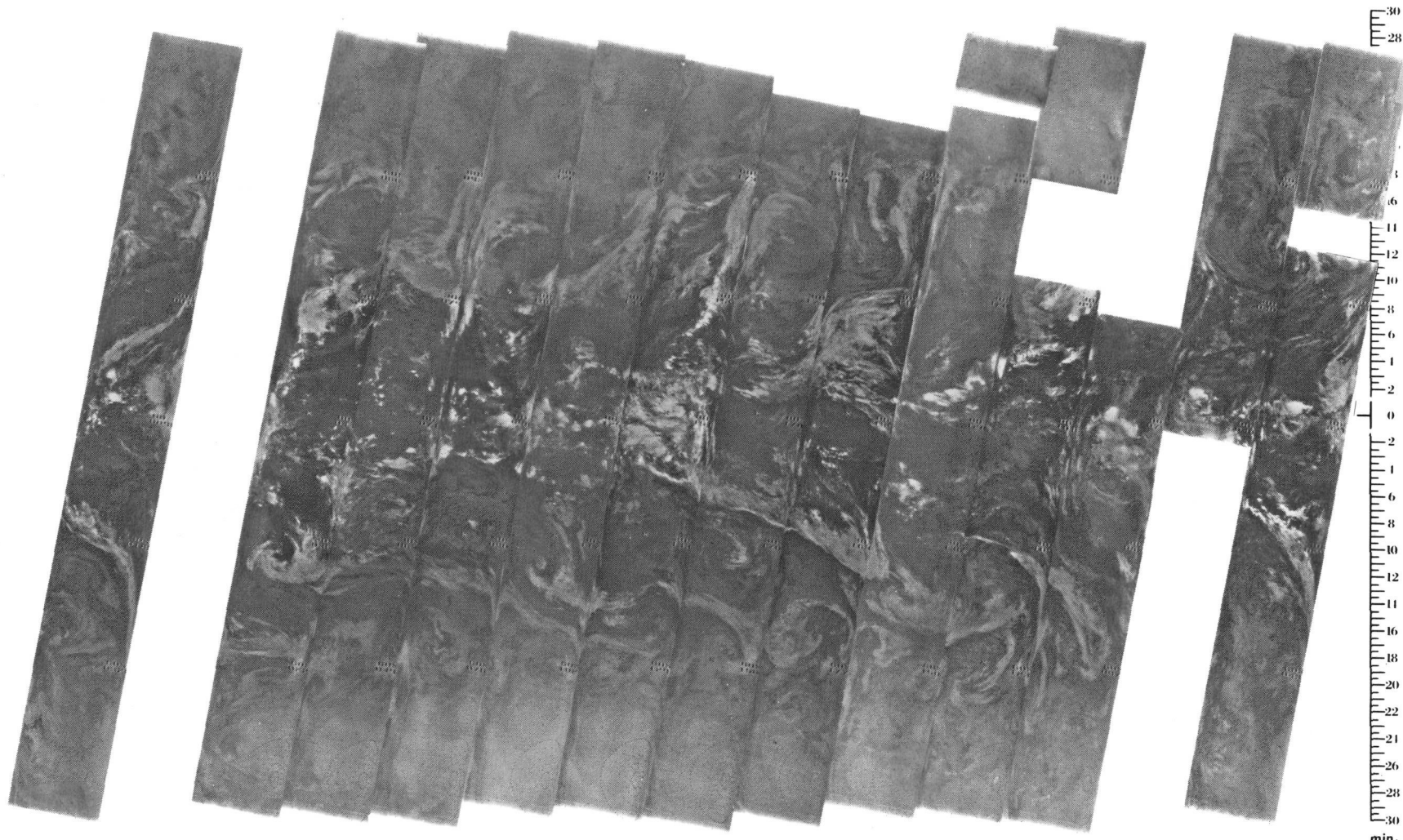
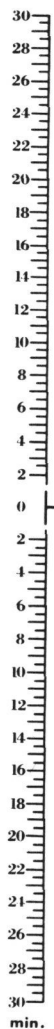
4856 4855 4854 4853 4852 4851 4850 4849 4848 4847 4846 4845 4844

4 APRIL 1971

6.7 μ m



4-74

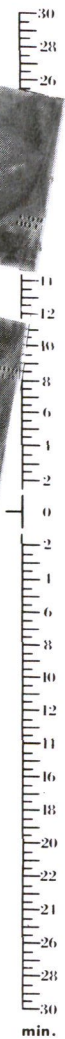
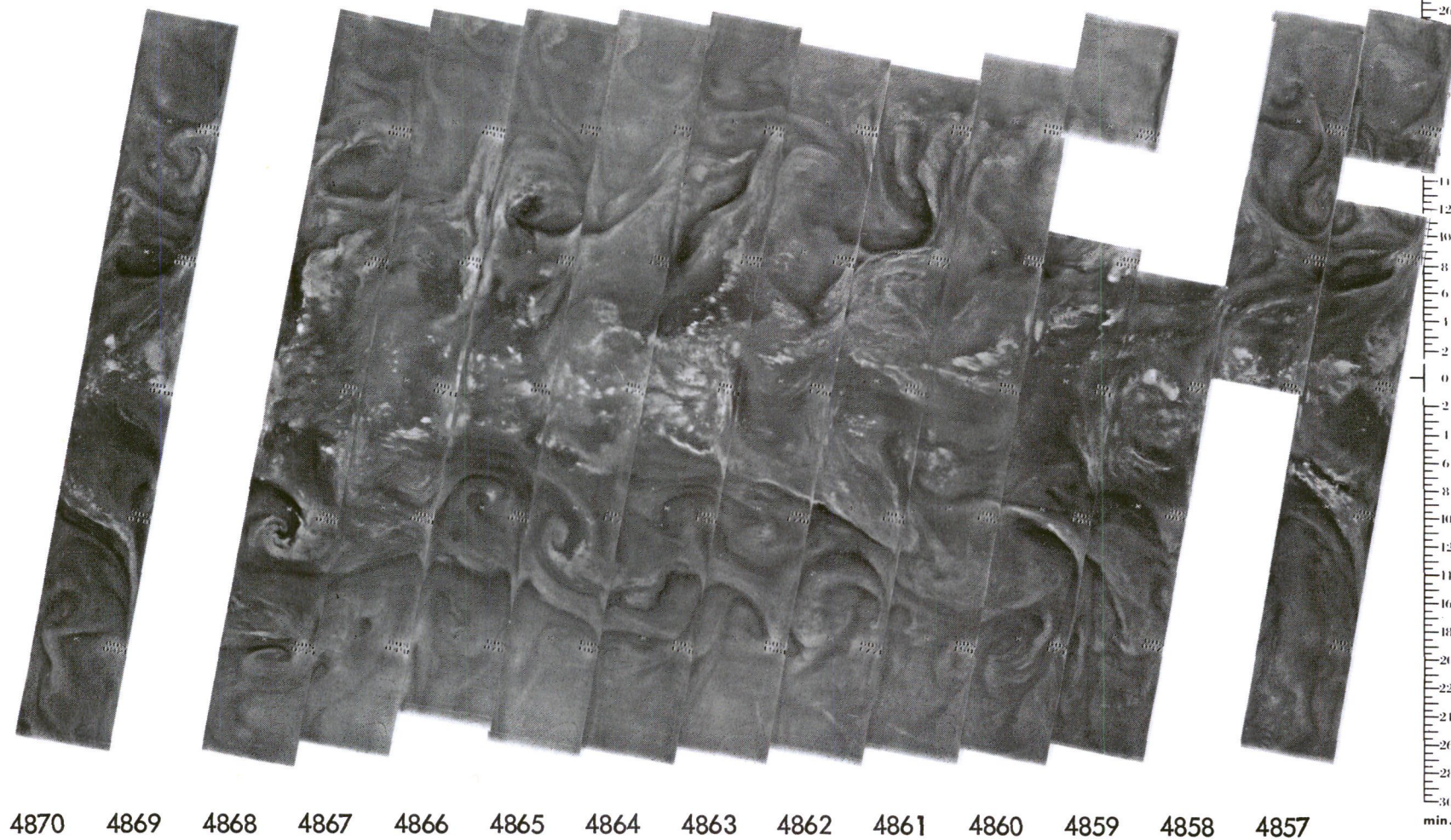
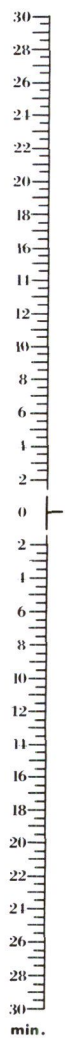


4870 4869 4868 4867 4866 4865 4864 4863 4862 4861 4860 4859 4858 4857

5 APRIL 1971

11.5 μ m

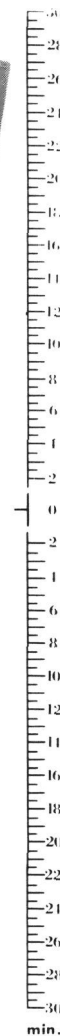
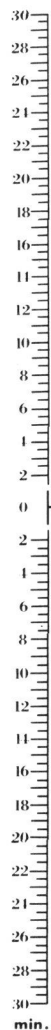
4-75



5 APRIL 1971

6.7 μ m

4-76

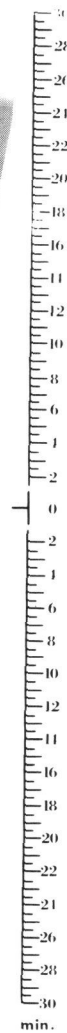
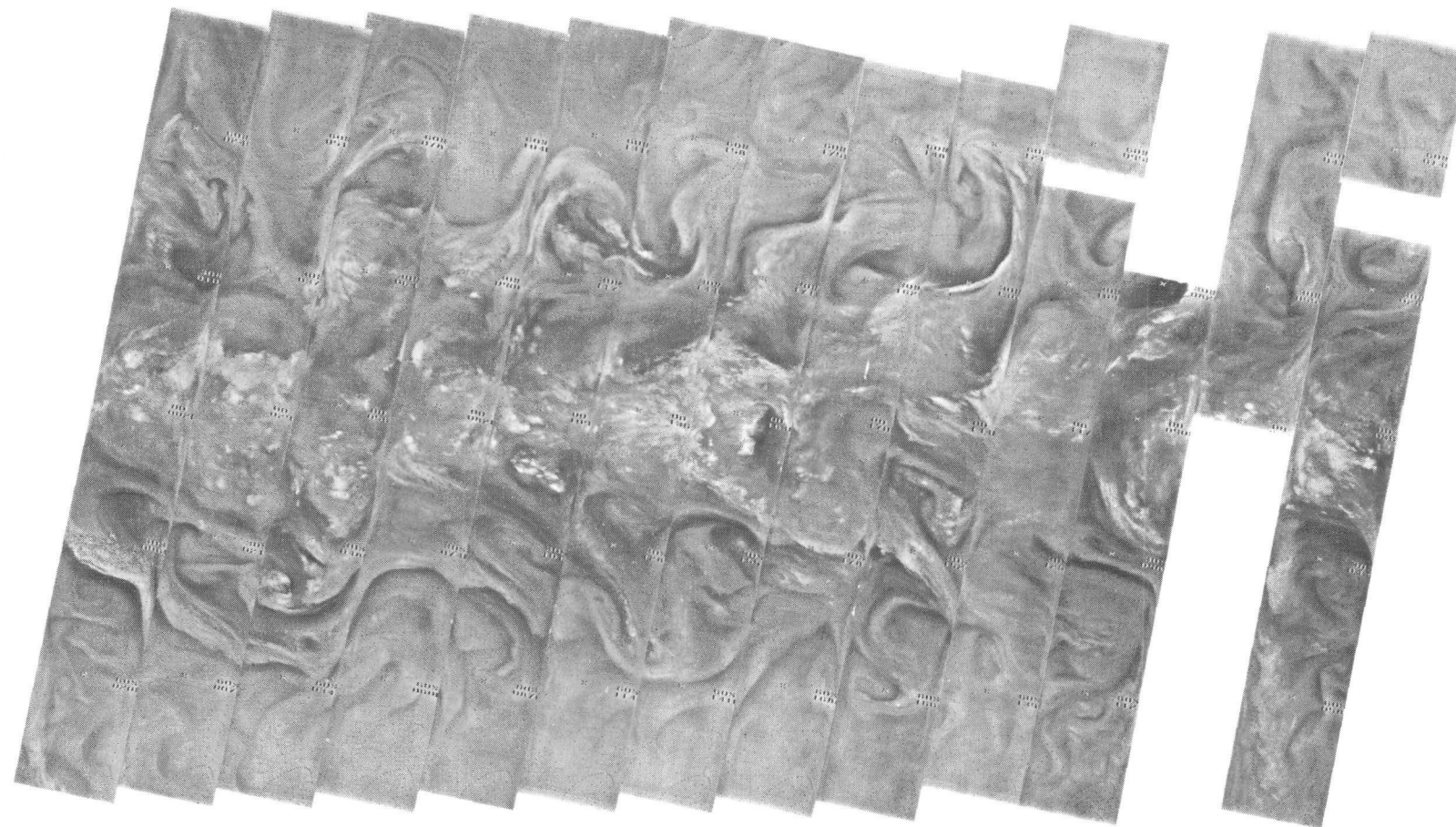
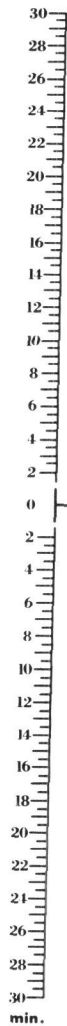


4883 4882 4881 4880 4879 4878 4877 4876 4875 4874 4873 4872 4871

6 APRIL 1971

11.5 μ m

4-77



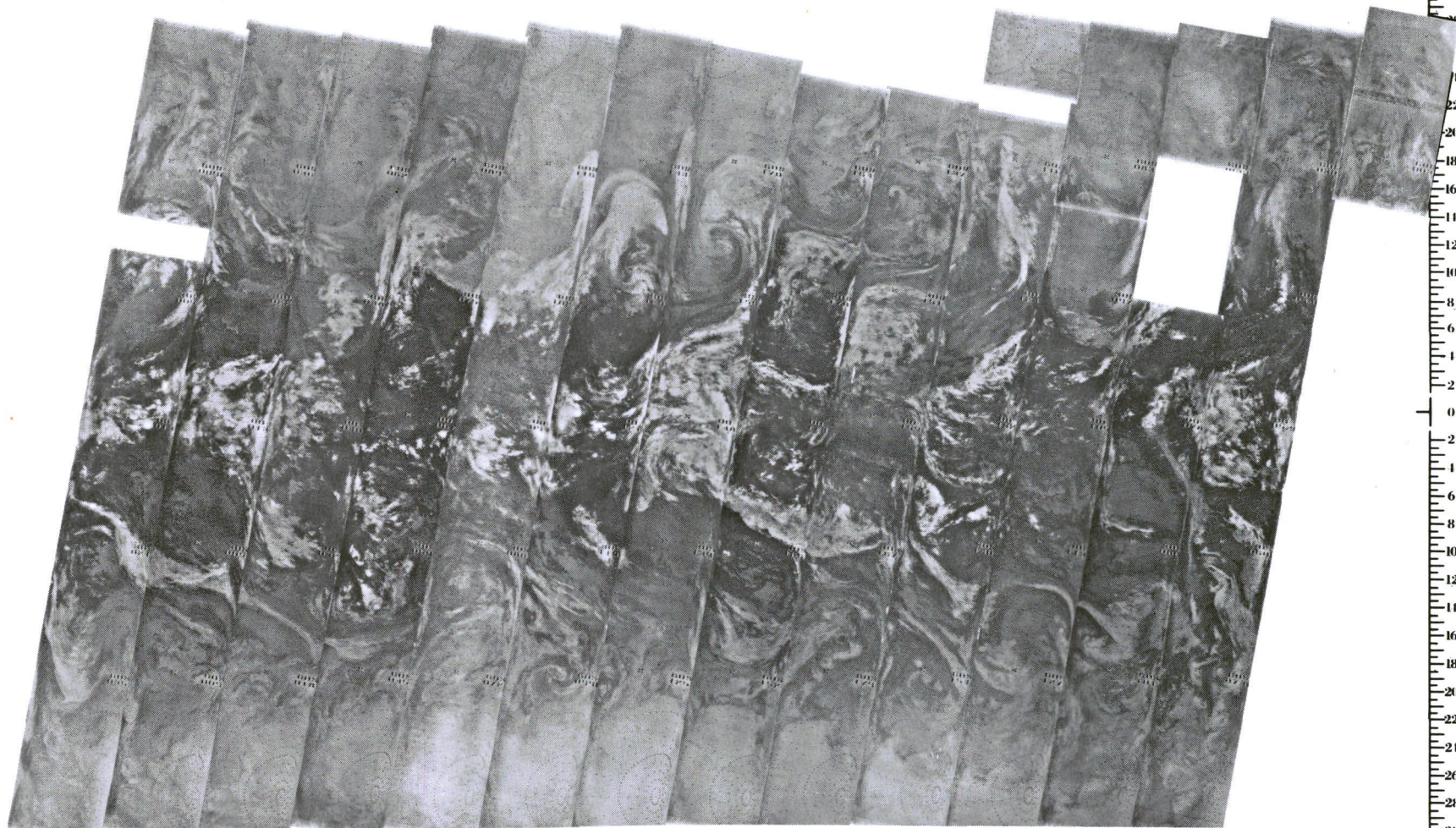
4883 4882 4881 4880 4879 4878 4877 4876 4875 4874 4873 4872 4871

6 APRIL 1971

6.7 μ m

4-78

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



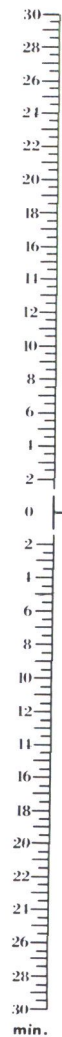
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4897 4896 4895 4894 4893 4892 4891 4890 4889 4888 4887 4886 4885 4884

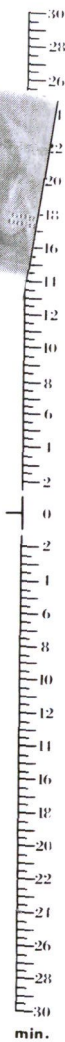
7 APRIL 1971

11.5 μ m

4-79



Reproduced from
best available copy.

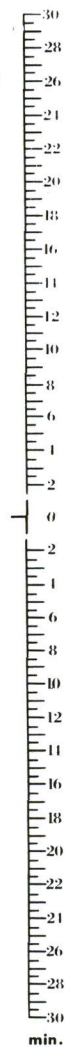
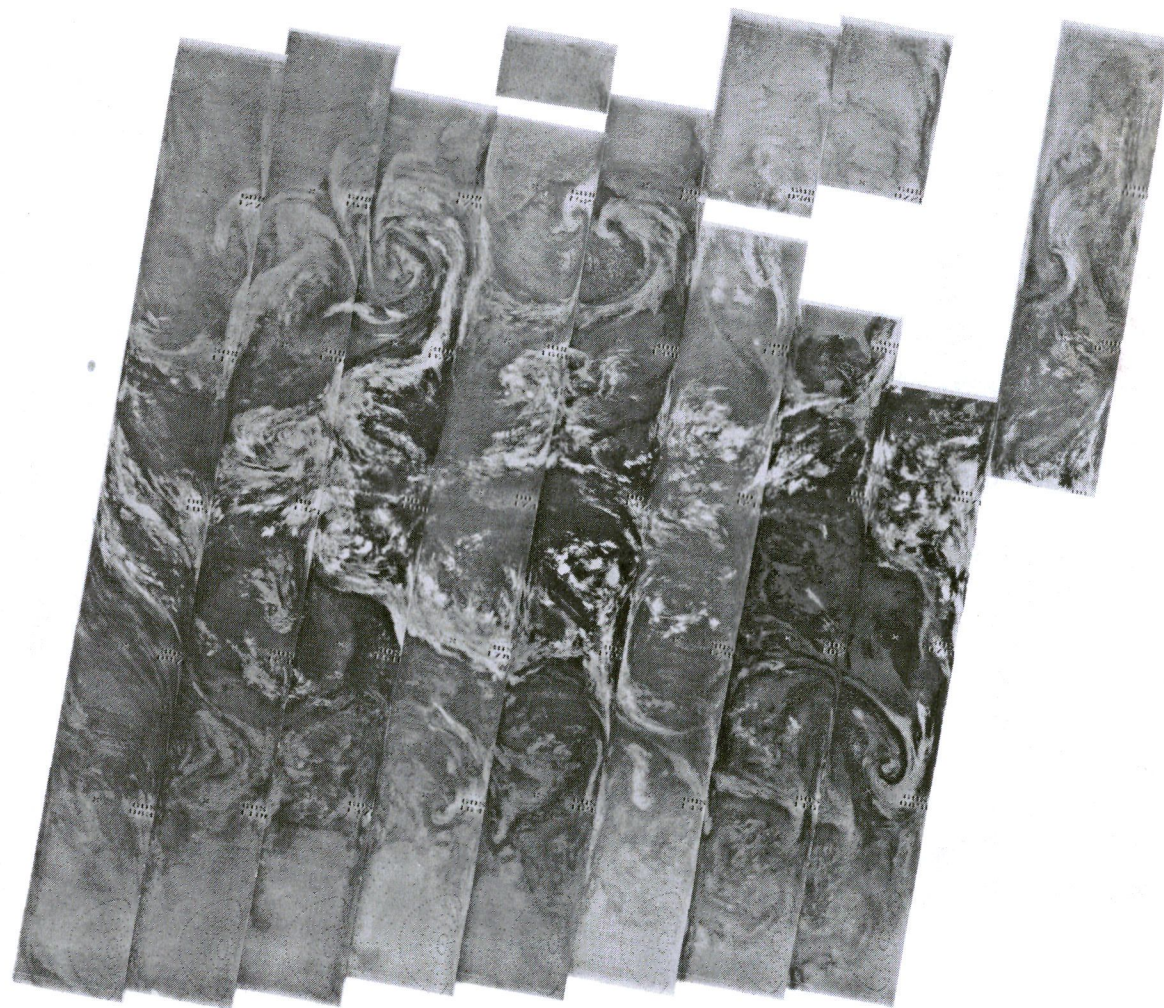
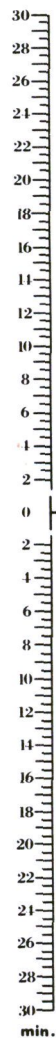


4897 4896 4895 4894 4893 4892 4891 4890 4889 4888 4887 4886 4885 4884

7 APRIL 1971

6.7 μ m

4-80

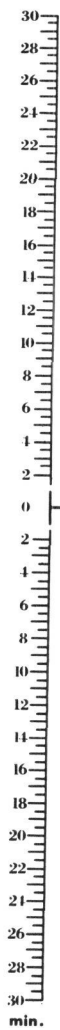


4910 4909 4908 4907 4906 4905 4904 4903 4902 4901 4900 4899 4898

8 APRIL 1971

11.5 μ m

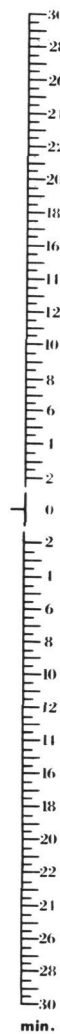
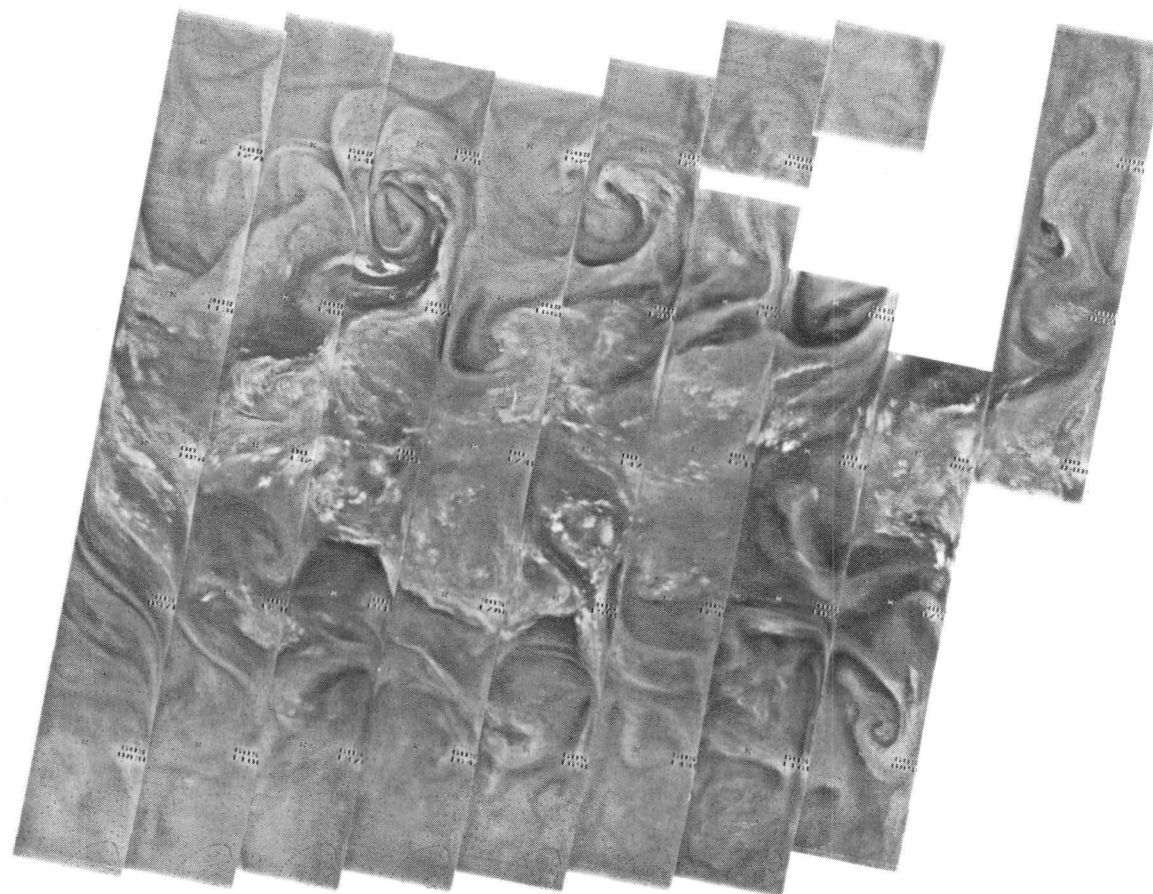
4-81



4910 4909 4908 4907 4906 4905 4904 4903 4902 4901 4900 4899 4898

8 APRIL 1971

6.7 μ m



PRECEDING PAGE BLANK NOT FILMED

SECTION 4.2

TEMPERATURE HUMIDITY INFRARED RADIOMETER

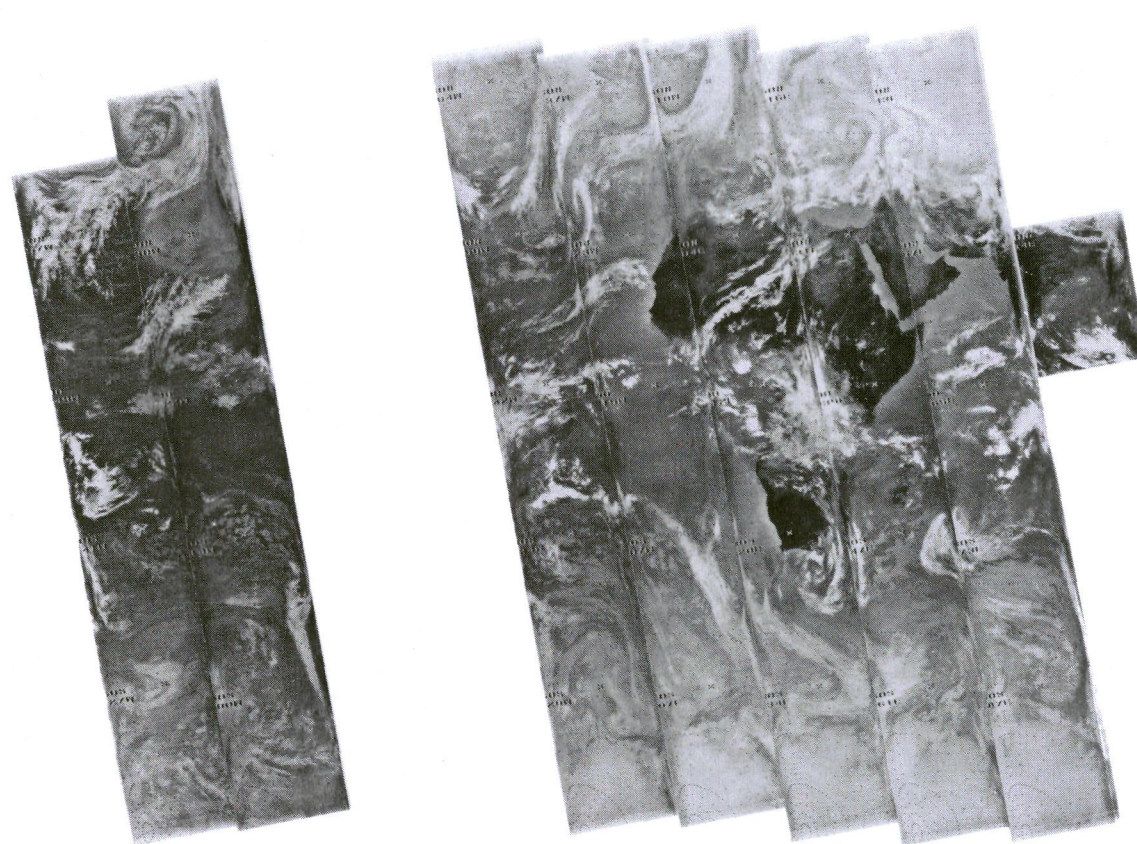
DAYTIME MONTAGES

No. $6.7\mu\text{m}$ montages are shown as this channel was only on during orbits 4560 (41 minutes), 4561 (42 minutes), 4564 (49 minutes) and 4719 (9 minutes).

Preceding page blank

—4-84—

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



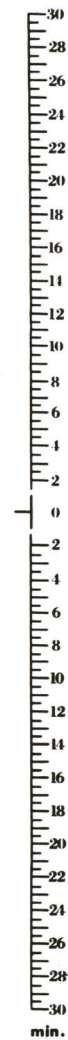
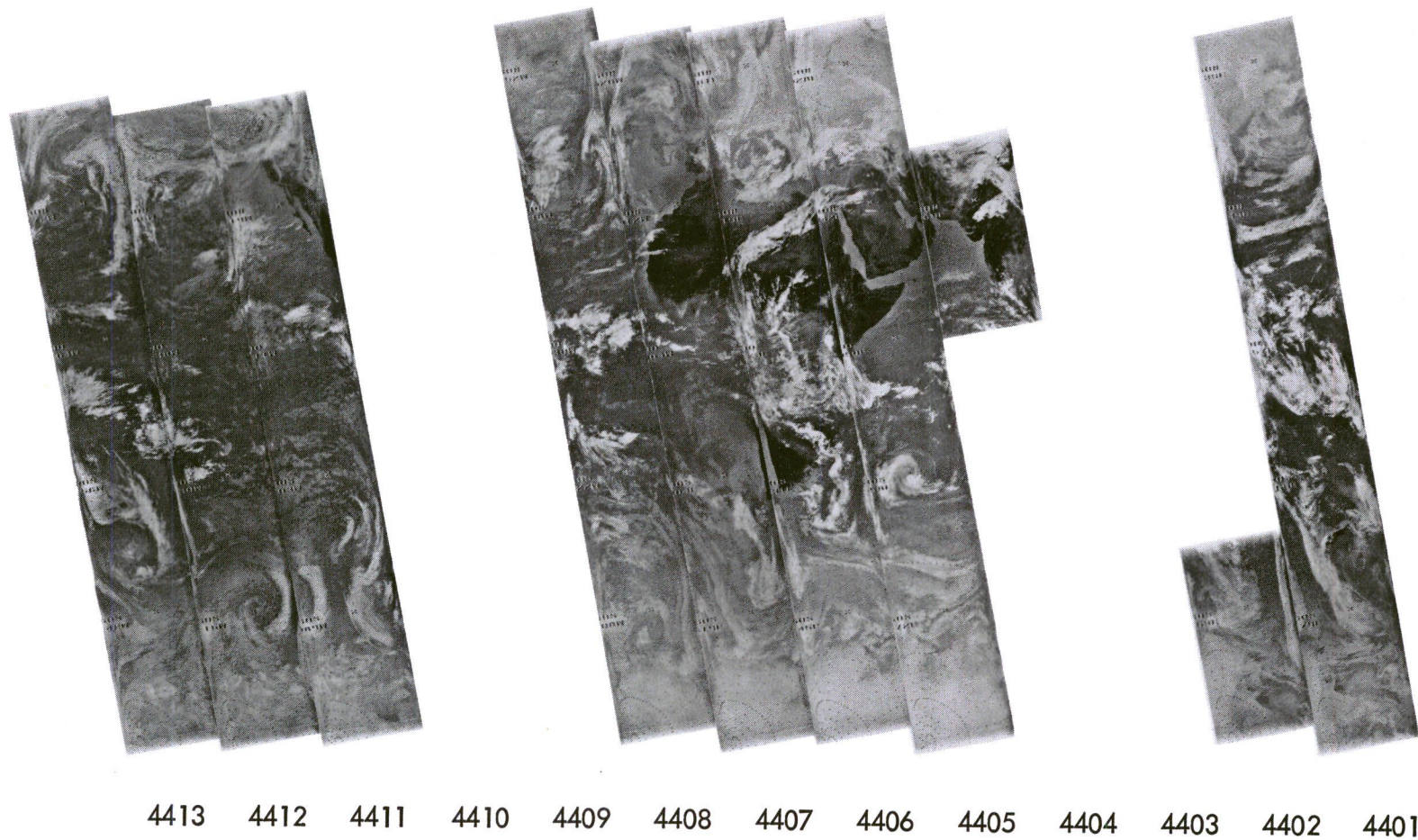
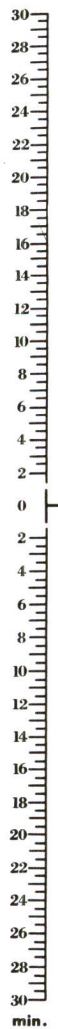
4400 4399 4398 4397 4396 4395 4394 4393 4392 4391 4390 4389 4388 4387

1 MARCH 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

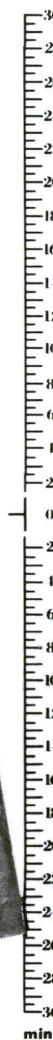
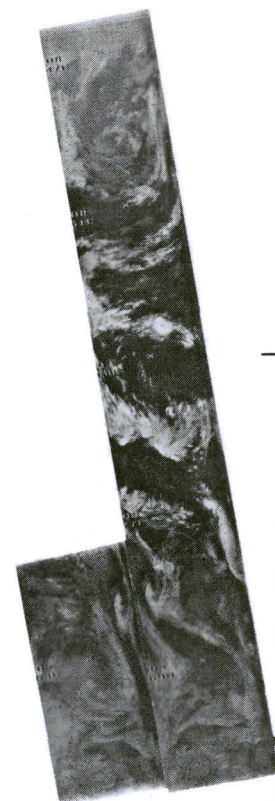
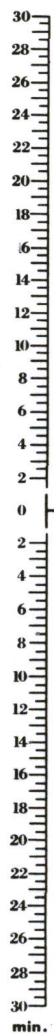
0-5



2 MARCH 1971

11.5 μ m

4-86

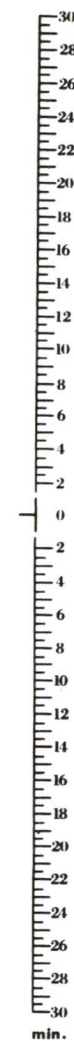
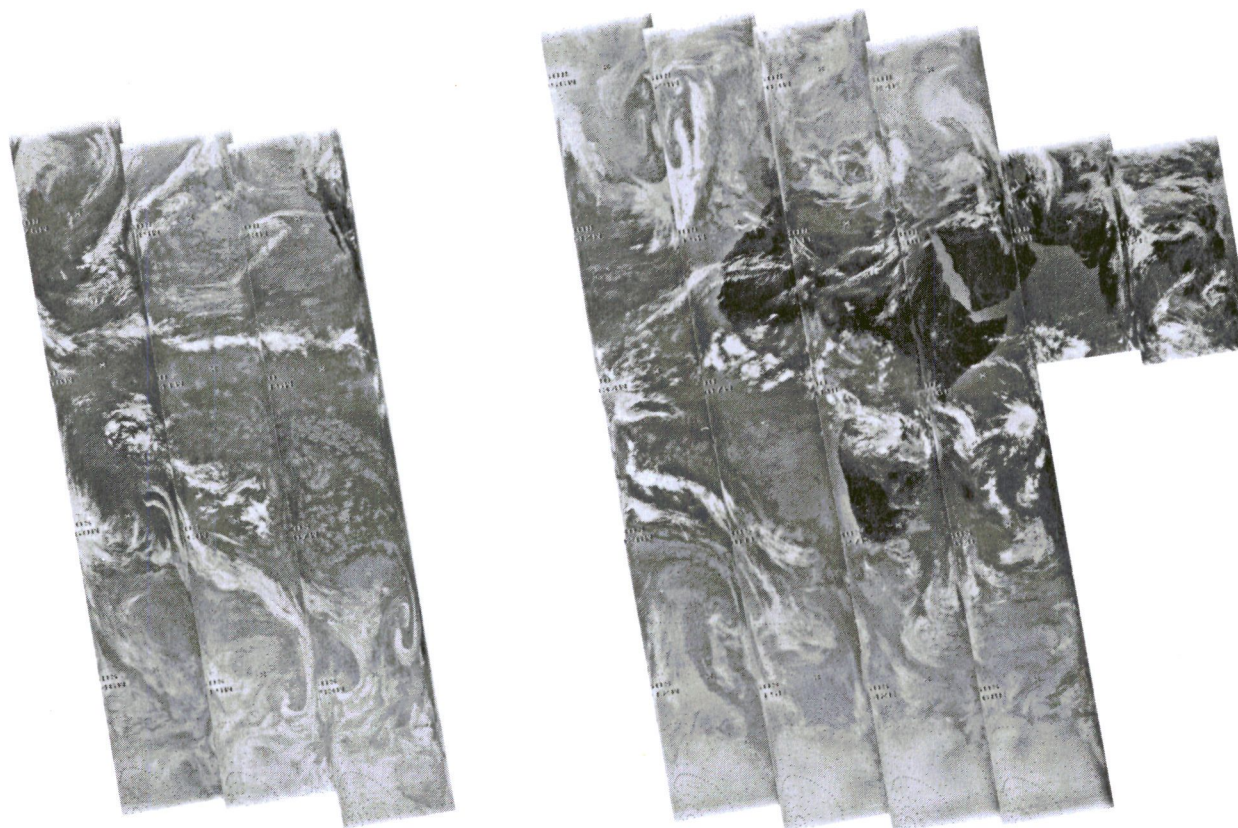
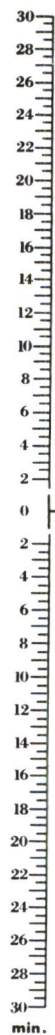


4427 4426 4425 4424 4423 4422 4421 4420 4419 4418 4417 4416 4415 4414

3 MARCH 1971

11.5 μ m

4-87

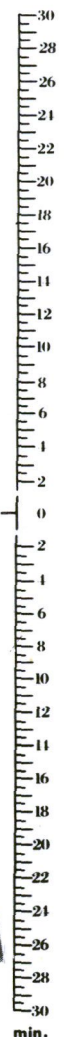
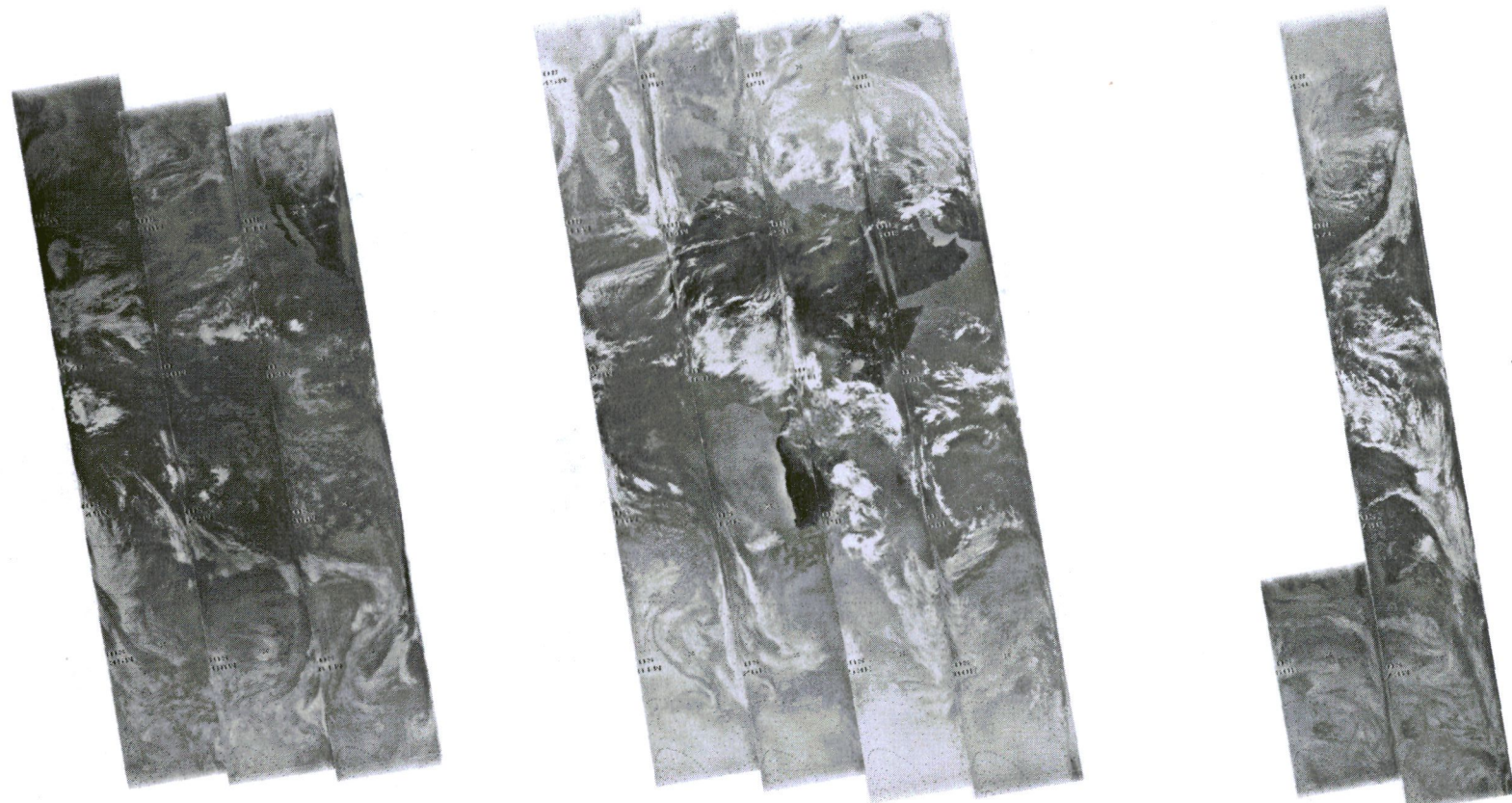
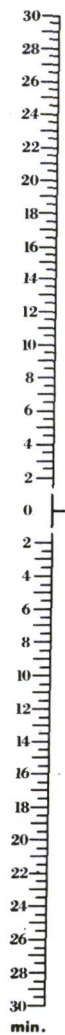


4440 4439 4438 4437 4436 4435 4434 4433 4432 4431 4430 4429 4428

4 MARCH 1971

11.5 μ m

4-88

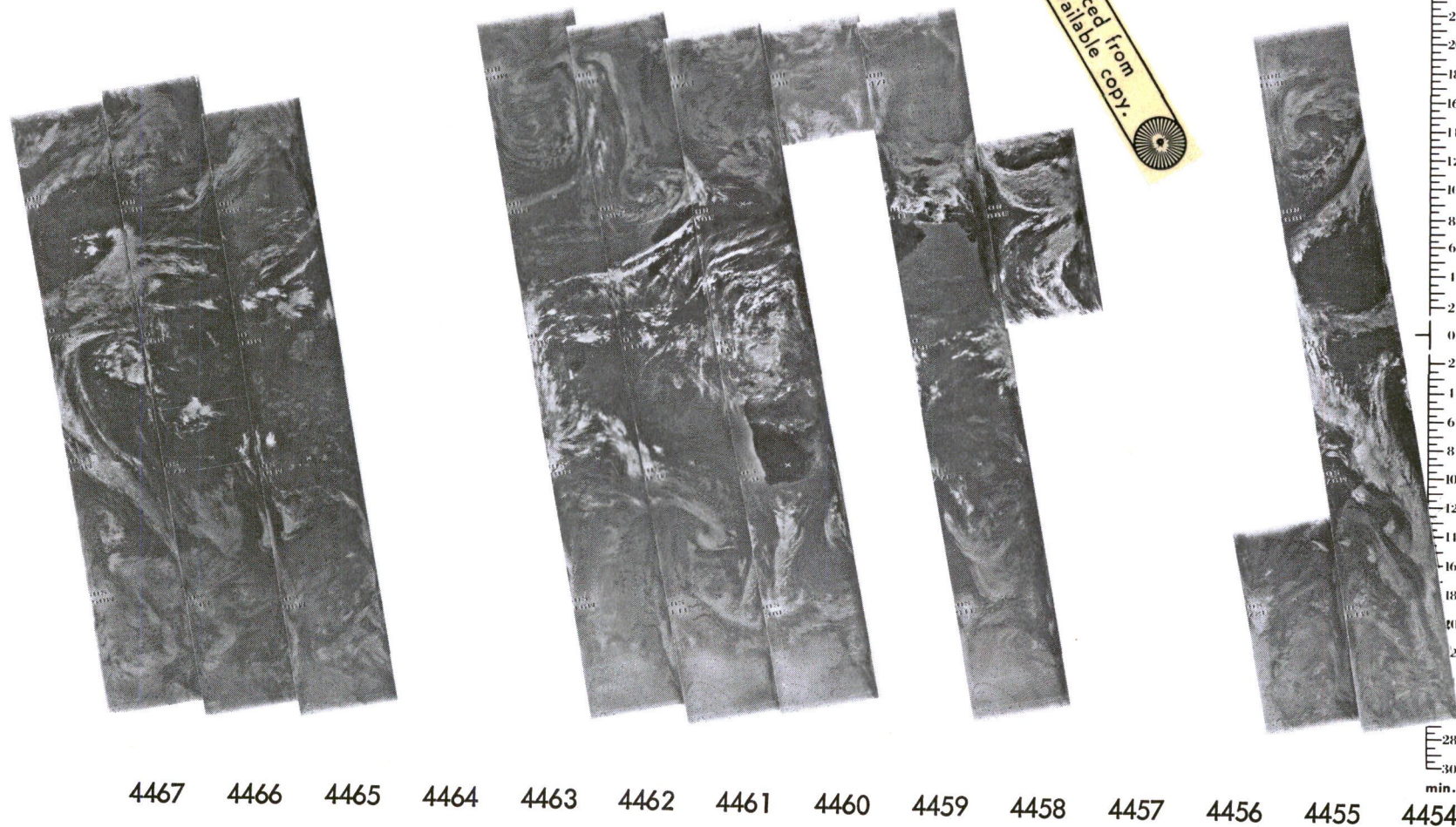
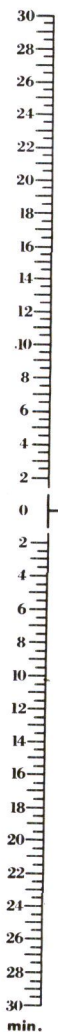


4453 4452 4451 4450 4449 4448 4447 4446 4445 4444 4443 4442 4441

5 MARCH 1971

11.5 μ m

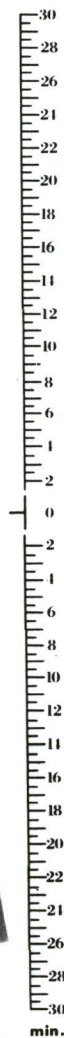
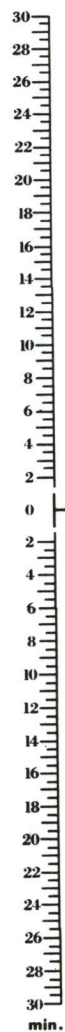
4-89



6 MARCH 1971

11.5 μ m

4-90

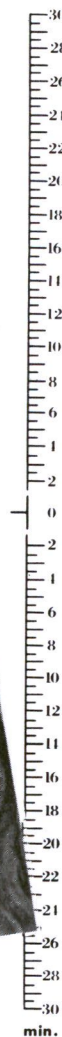
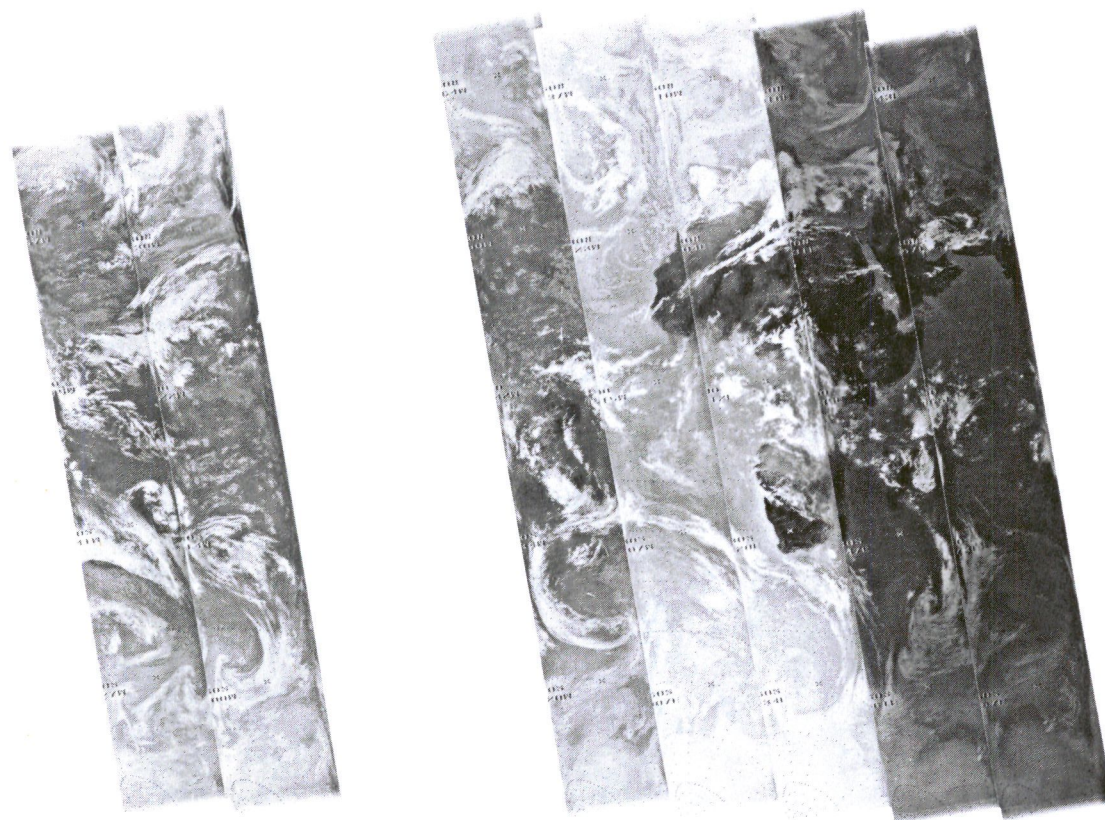
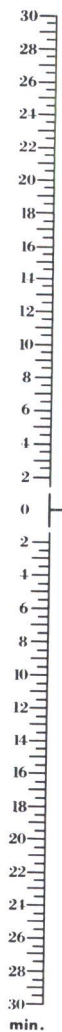


4480 4479 4478 4477 4476 4475 4474 4473 4472 4471 4470 4469 4468

7 MARCH 1971

11.5 μ m

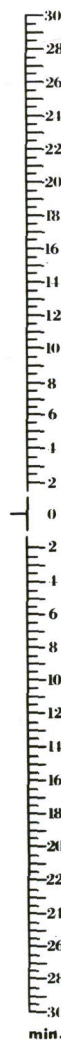
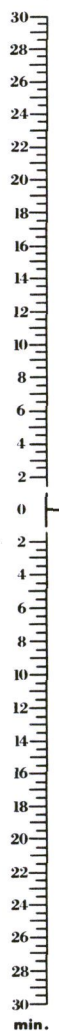
4-91



4494 4493 4492 4491 4490 4489 4488 4487 4486 4485 4484 4483 4482 4481

8 MARCH 1971

11.5 μ m

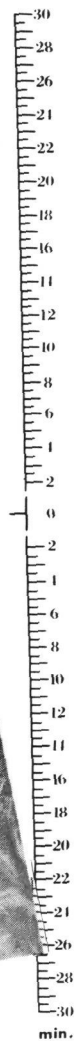
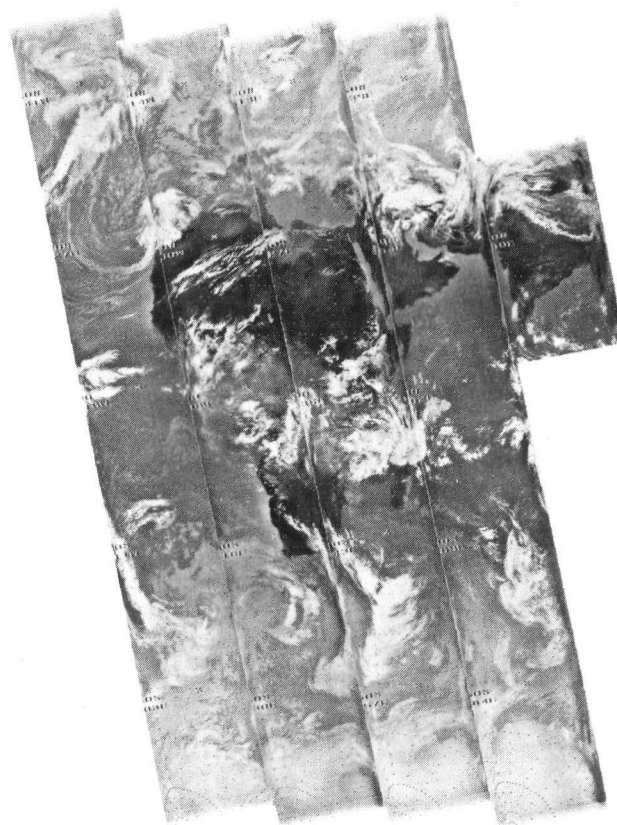
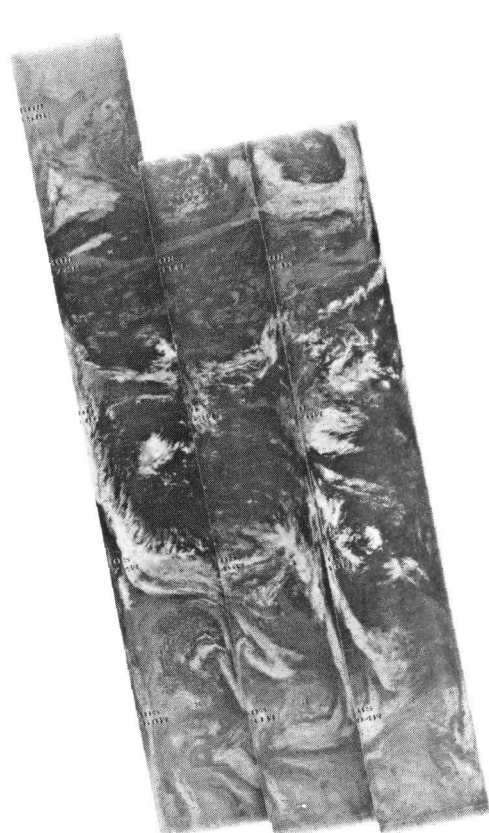
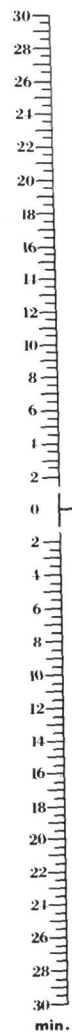


4507 4506 4505 4504 4503 4502 4501 4500 4499 4498 4497 4496 4495

9 MARCH 1971

11.5 μ m

4-93

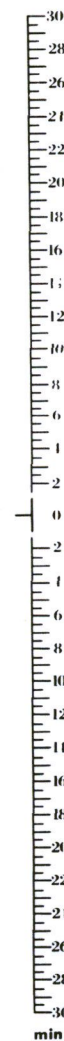
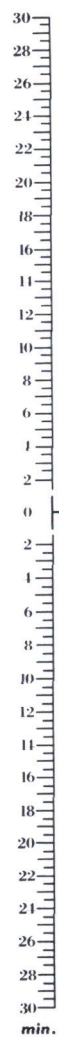


4521 4520 4519 4518 4517 4516 4515 4514 4513 4512 4511 4510 4509 4508

10 MARCH 1971

11.5 μ m

4-94

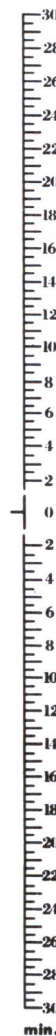
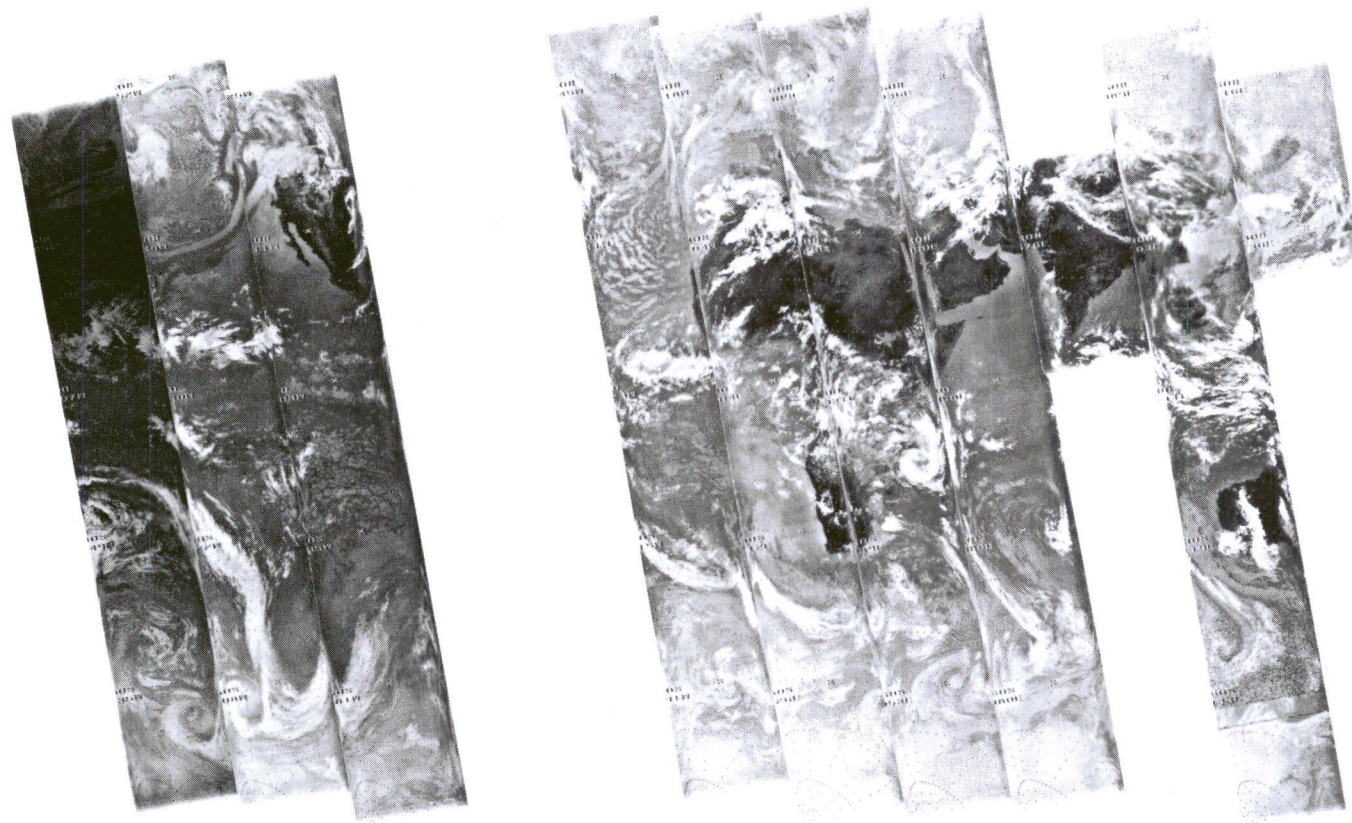
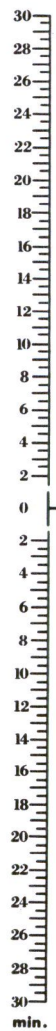


4534 4533 4532 4531 4530 4529 4528 4527 4526 4525 4524 4523 4522

11 MARCH 1971

11.5 μ m

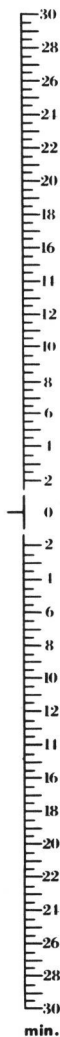
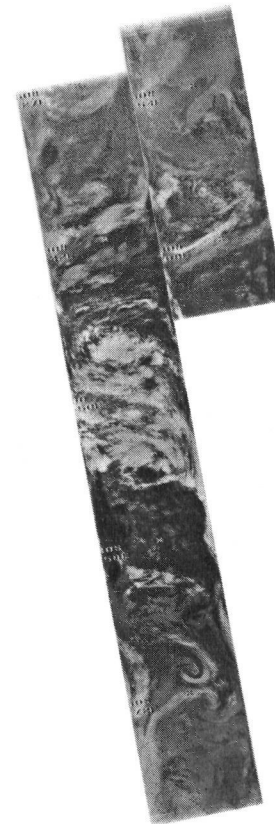
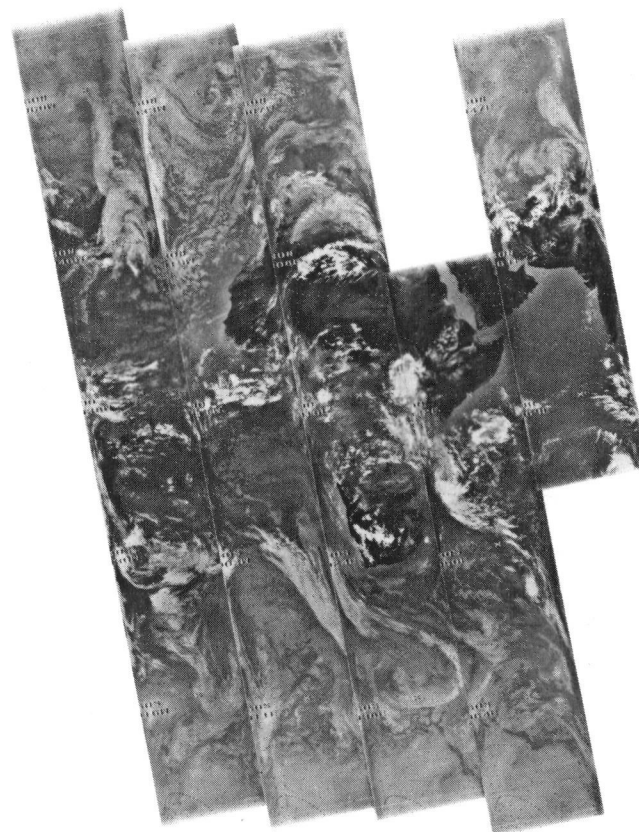
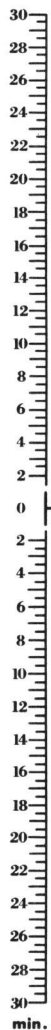
4-95



4547 4546 4545 4544 4543 4542 4541 4540 4539 4538 4537 4536 4535

12 MARCH 1971

11.5 μ m

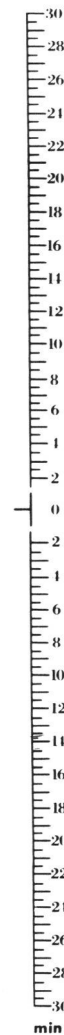
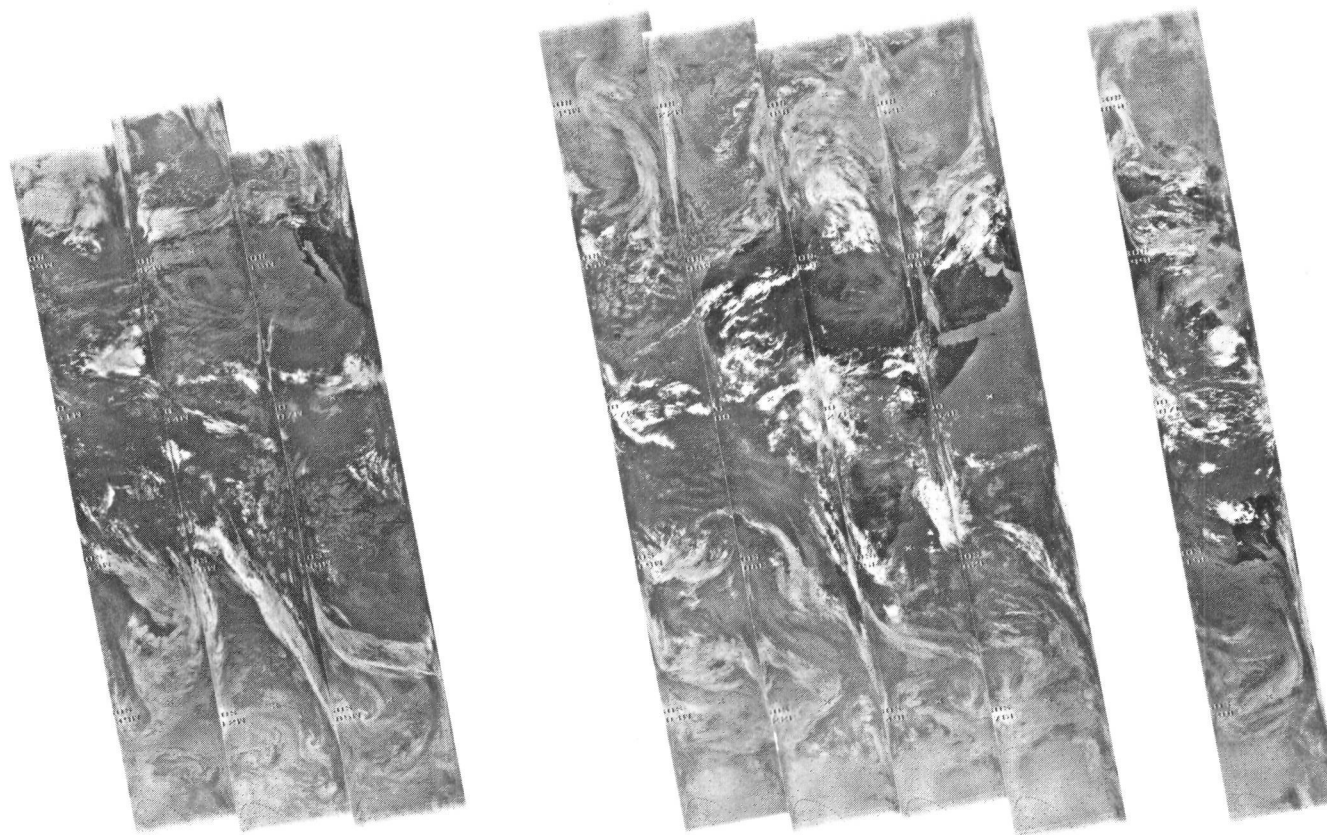
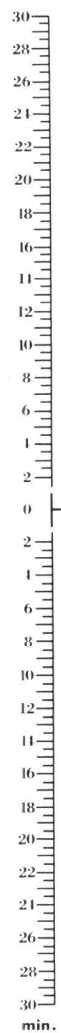


4561 4560 4559 4558 4557 4556 4555 4554 4553 4552 4551 4550 4549 4548

13 MARCH 1971

11.5 μ m

4-97

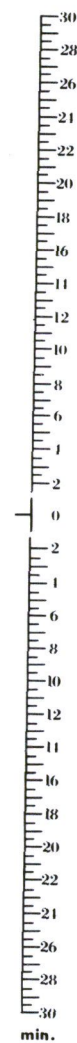
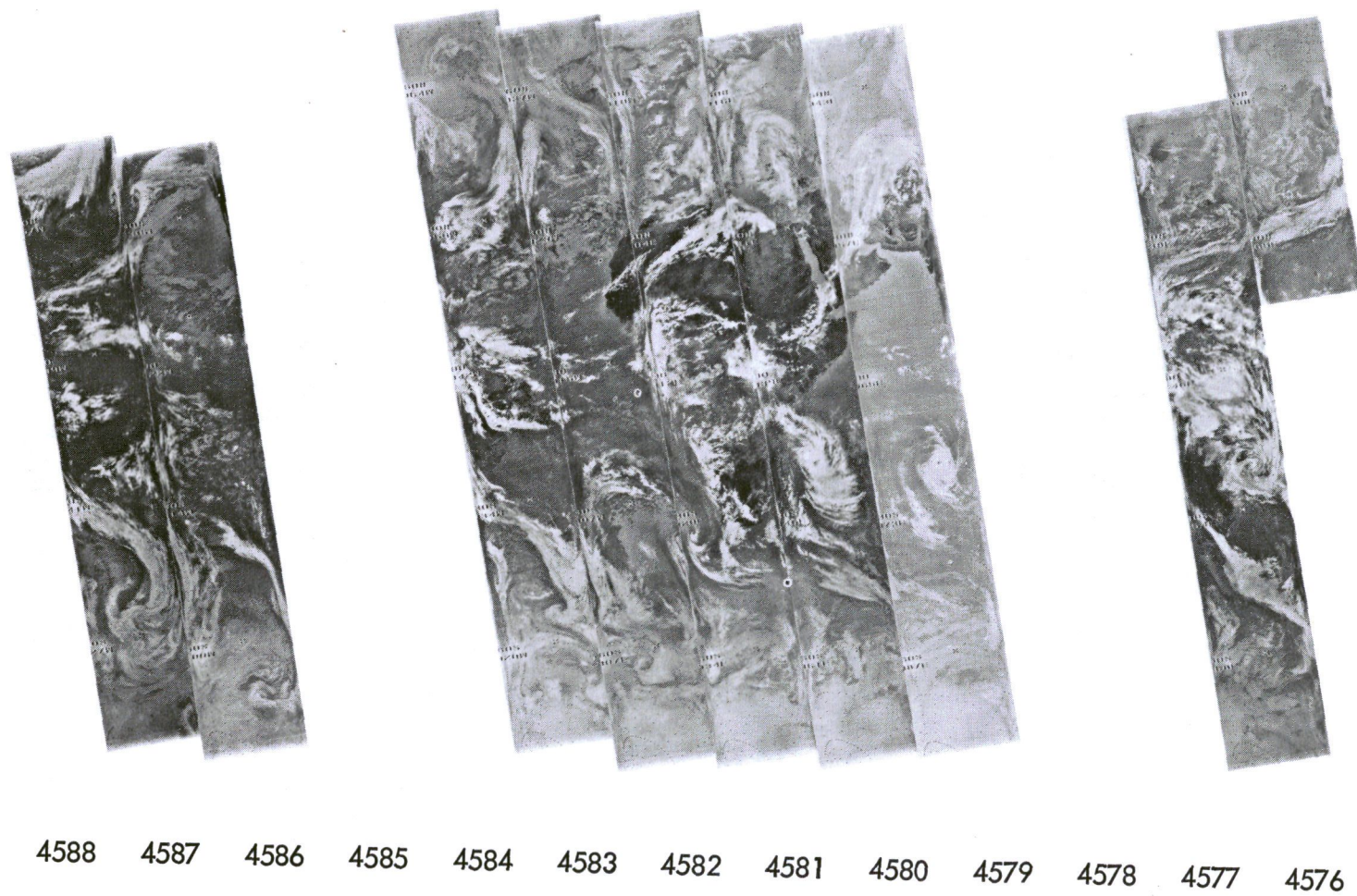
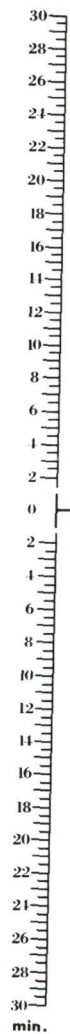


4574 4573 4572 4571 4570 4569 4568 4567 4566 4565 4564 4563 4562

14 MARCH 1971

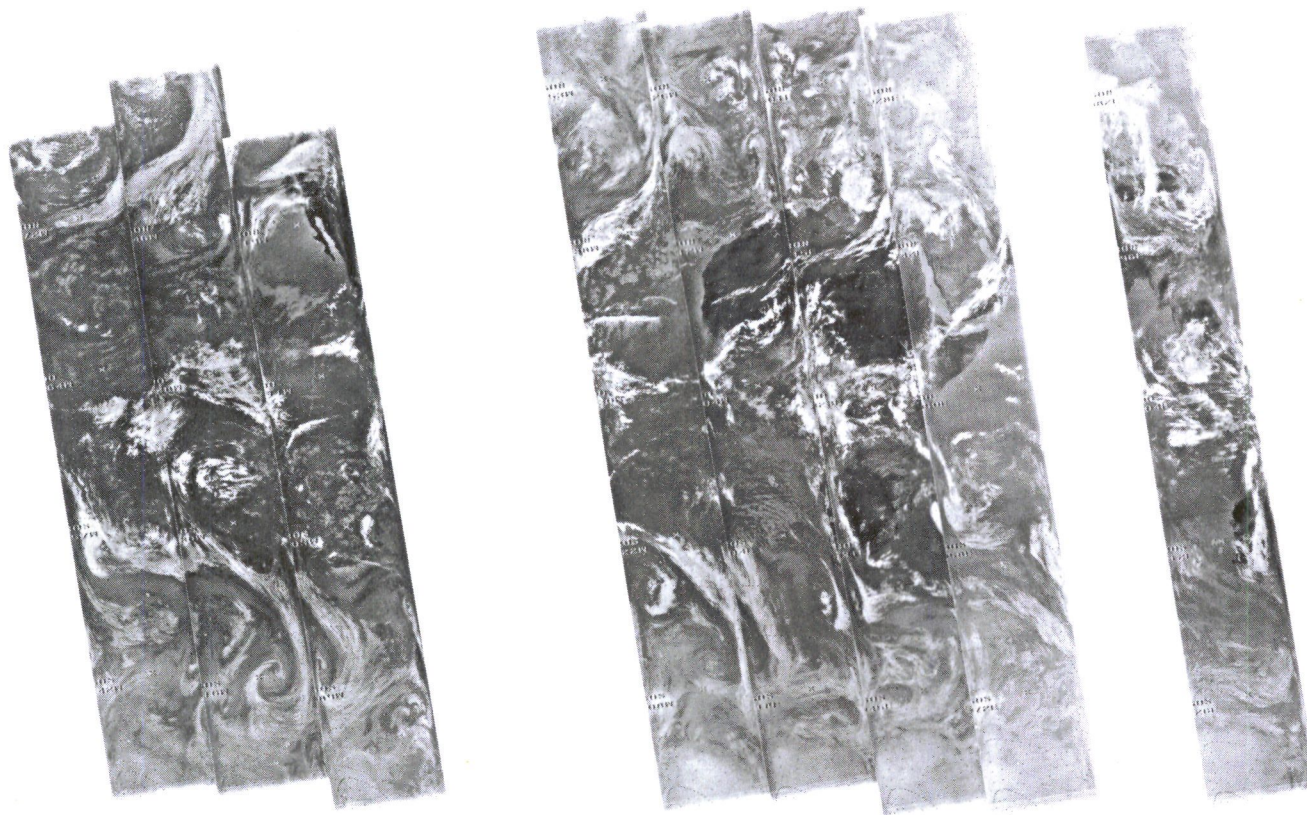
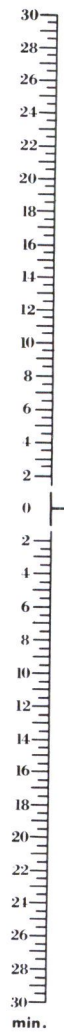
11.5 μ m

4-98

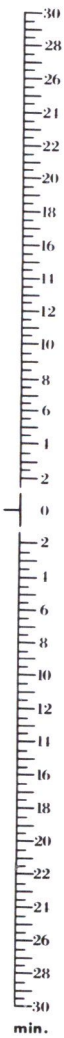


15 MARCH 1971

11.5 μ m



Reproduced from
best available copy.

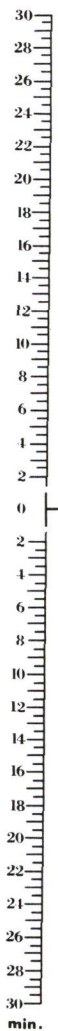


4601 4600 4599 4598 4597 4596 4595 4594 4593 4592 4591 4590 4589

16 MARCH 1971

11.5 μ m

4-100



4614

4613

4612

4611

4610

4609

4608

4607

4606

4605

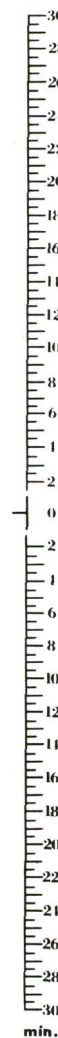
4604

4603

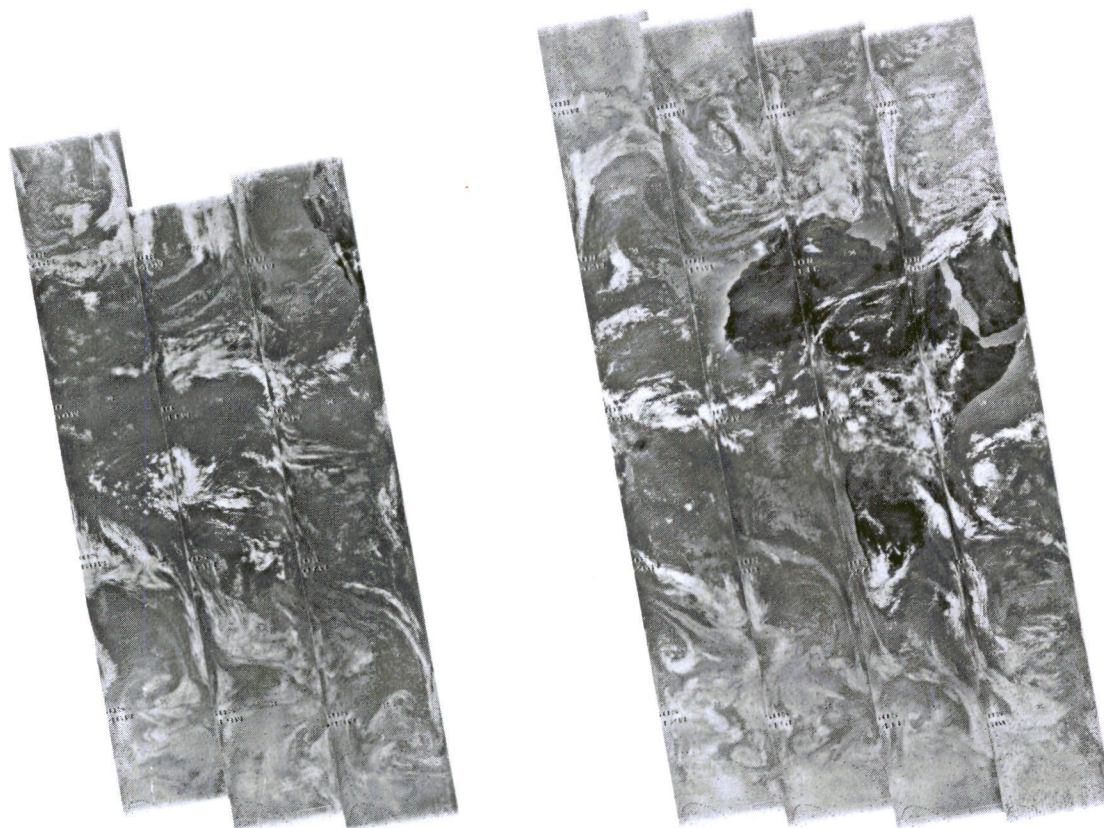
4602

17 MARCH 1971

11.5 μ m



30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4628 4627 4626 4625 4624 4623 4622 4621 4620 4619 4618 4617 4616

18 MARCH 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



4641

4640

4639

4638

4637

4636

4635

4634

4633

4632

4631

4630

4629

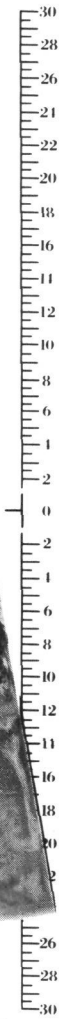
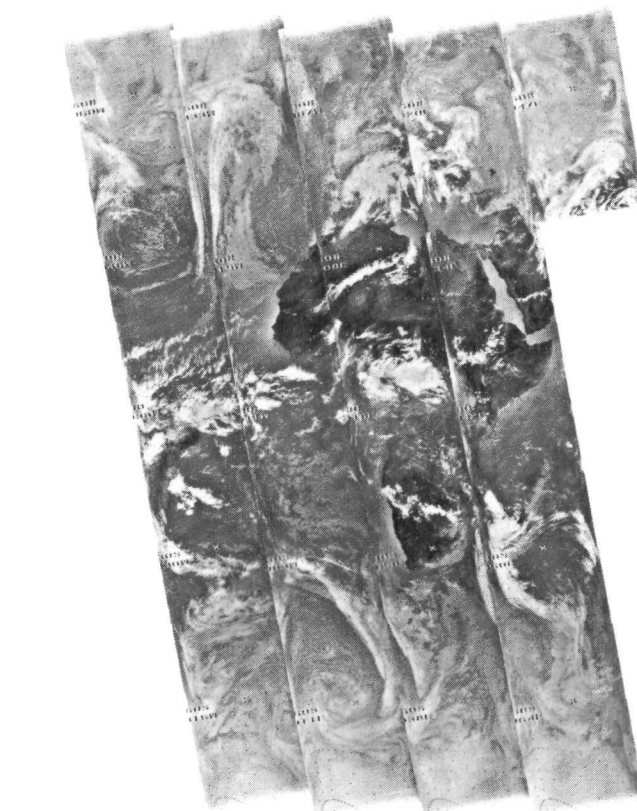
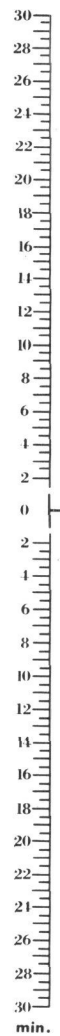
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



19 MARCH 1971

11.5 μ m

4-103

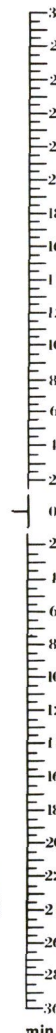
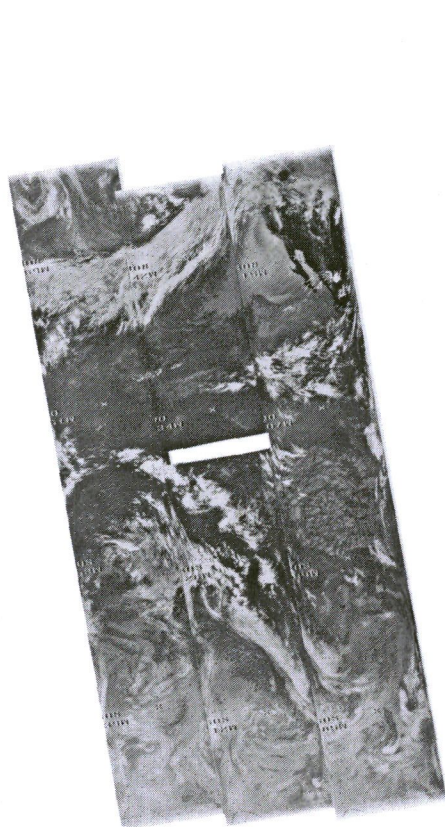
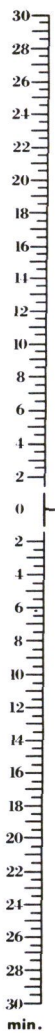


4655 4654 4653 4652 4651 4650 4649 4648 4647 4646 4645 4644 4643 4642

20 MARCH 1971

11.5 μ m

4-104

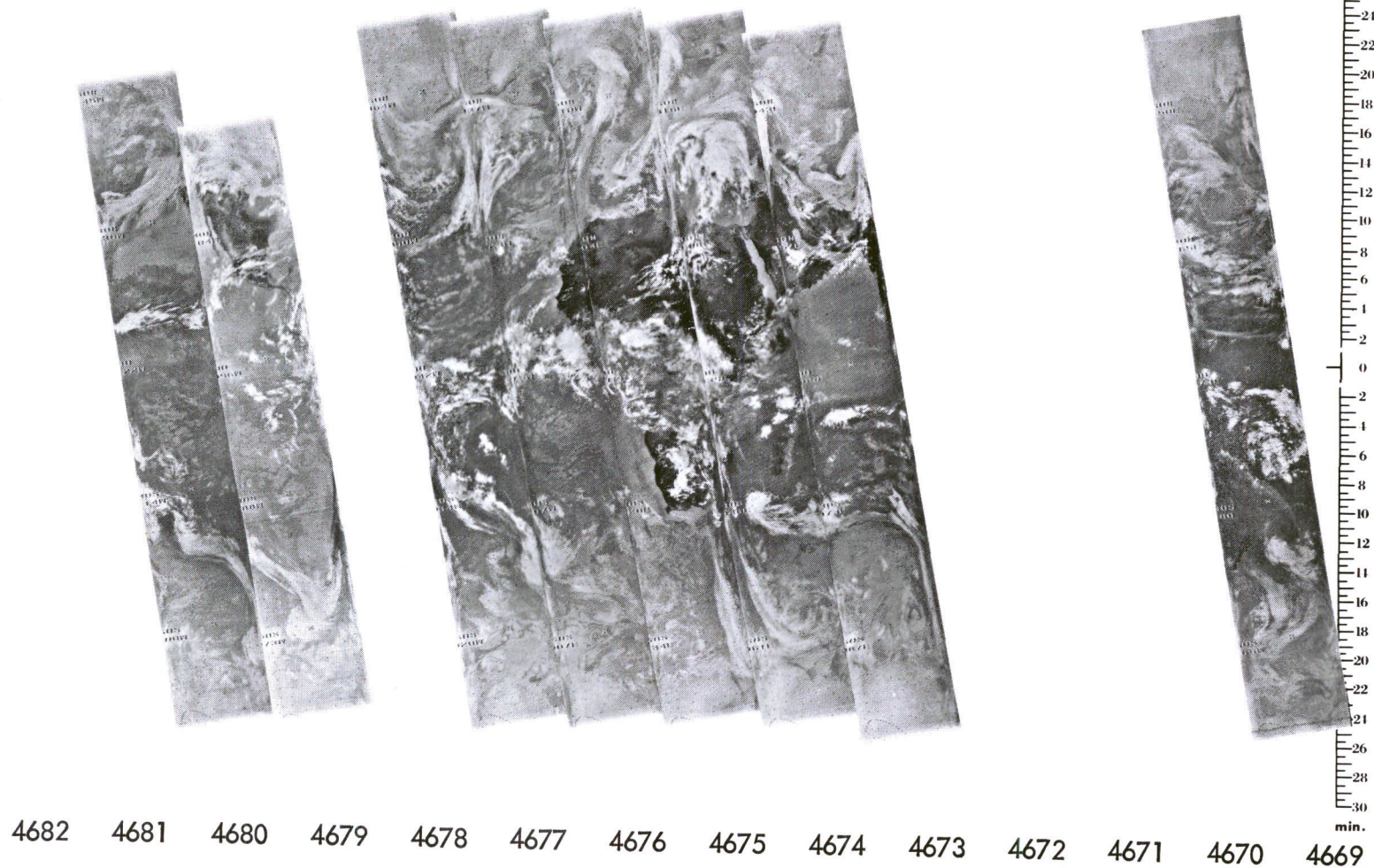
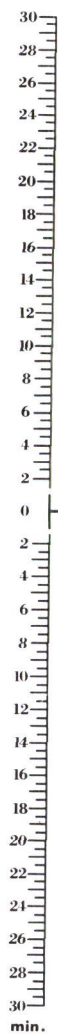


4668 4667 4666 4665 4664 4663 4662 4661 4660 4659 4658 4657 4656

21 MARCH 1971

11.5 μ m

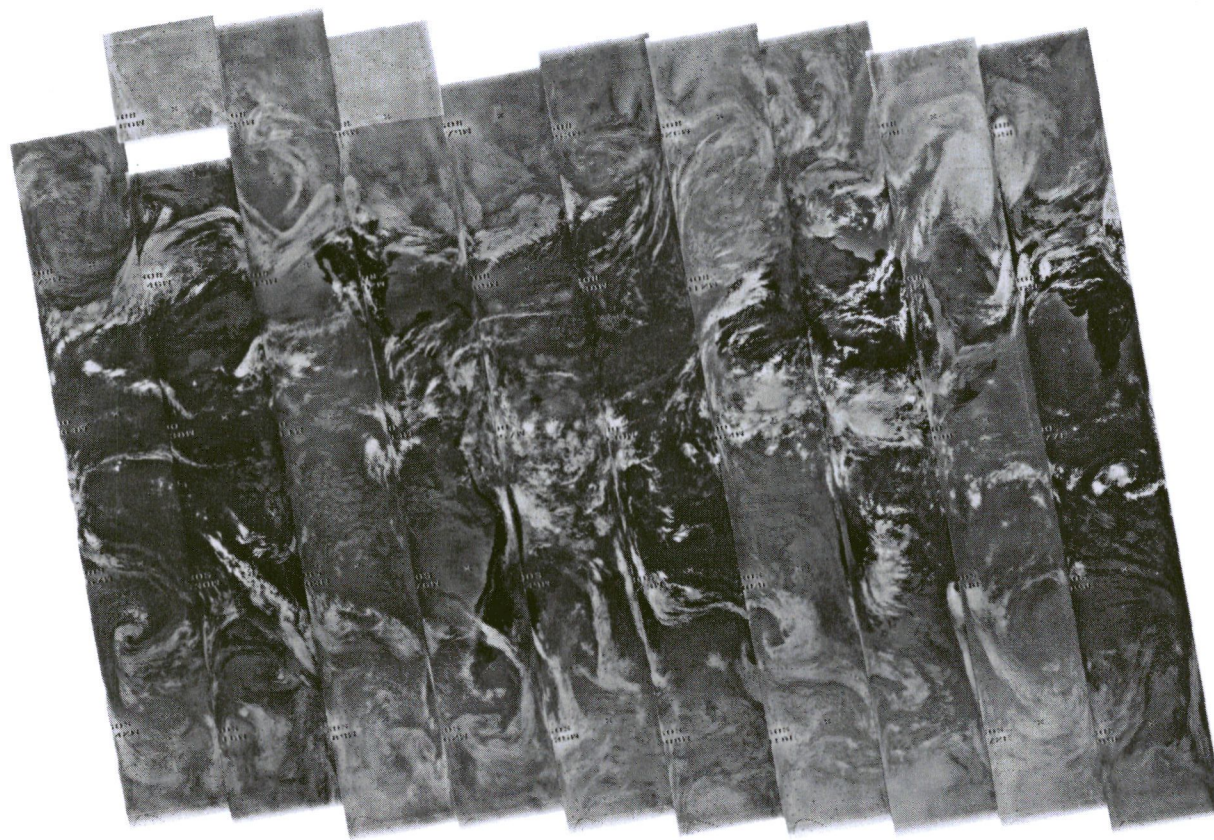
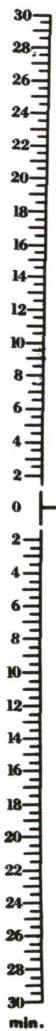
4-105



22 MARCH 1971

11.5 μ m

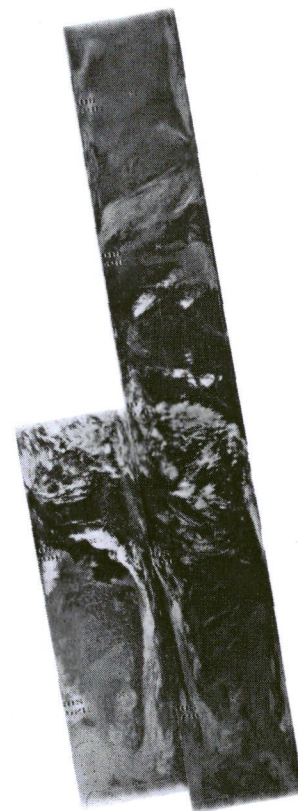
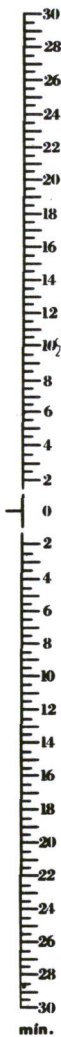
4-106



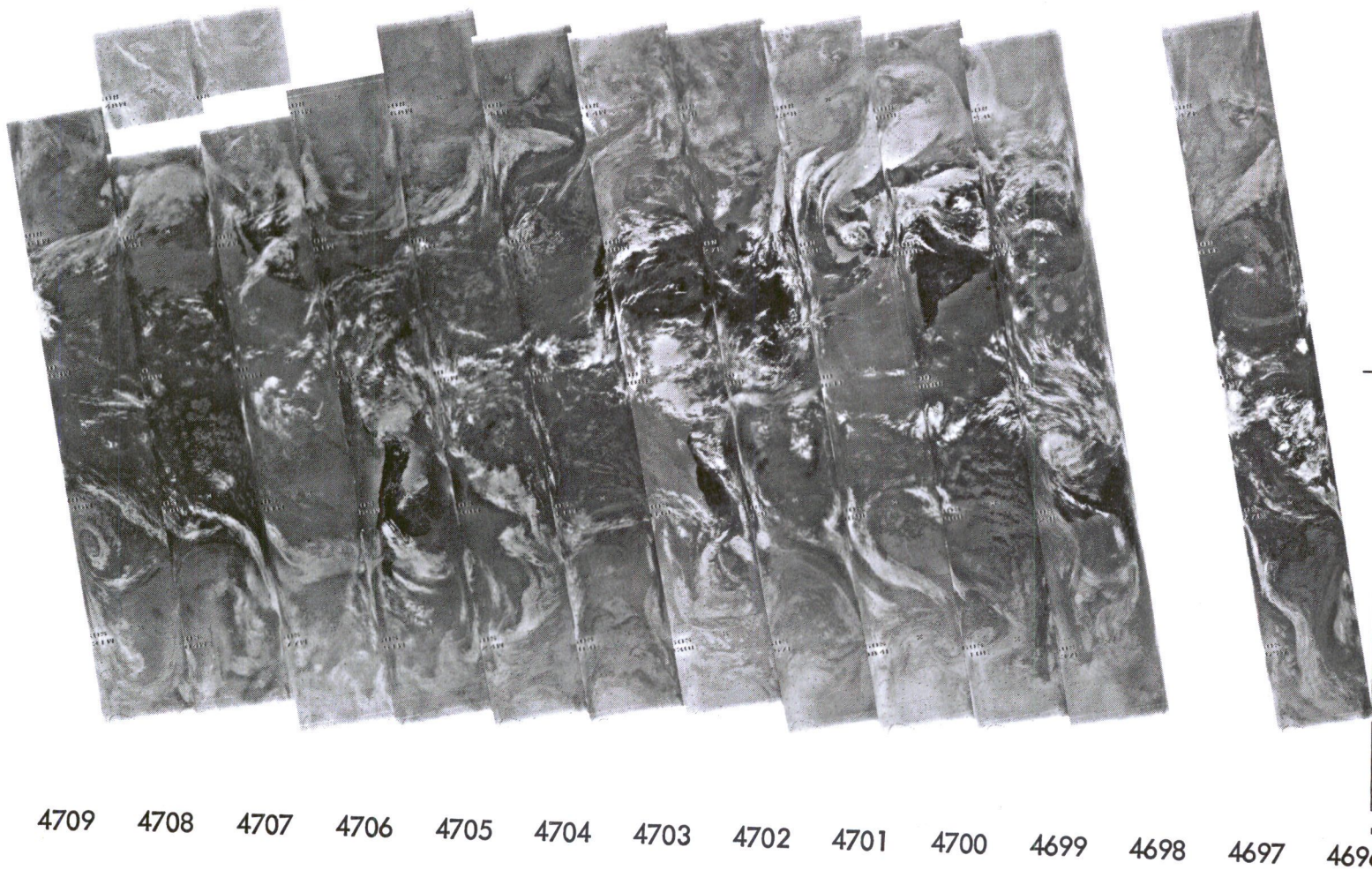
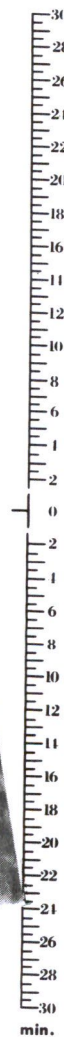
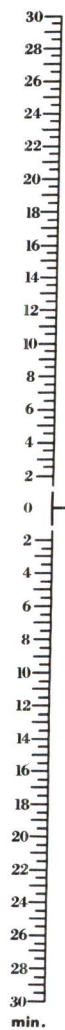
4695 4694 4693 4692 4691 4690 4689 4688 4687 4686 4685 4684 4683

23 MARCH 1971

11.5 μ m



4-107

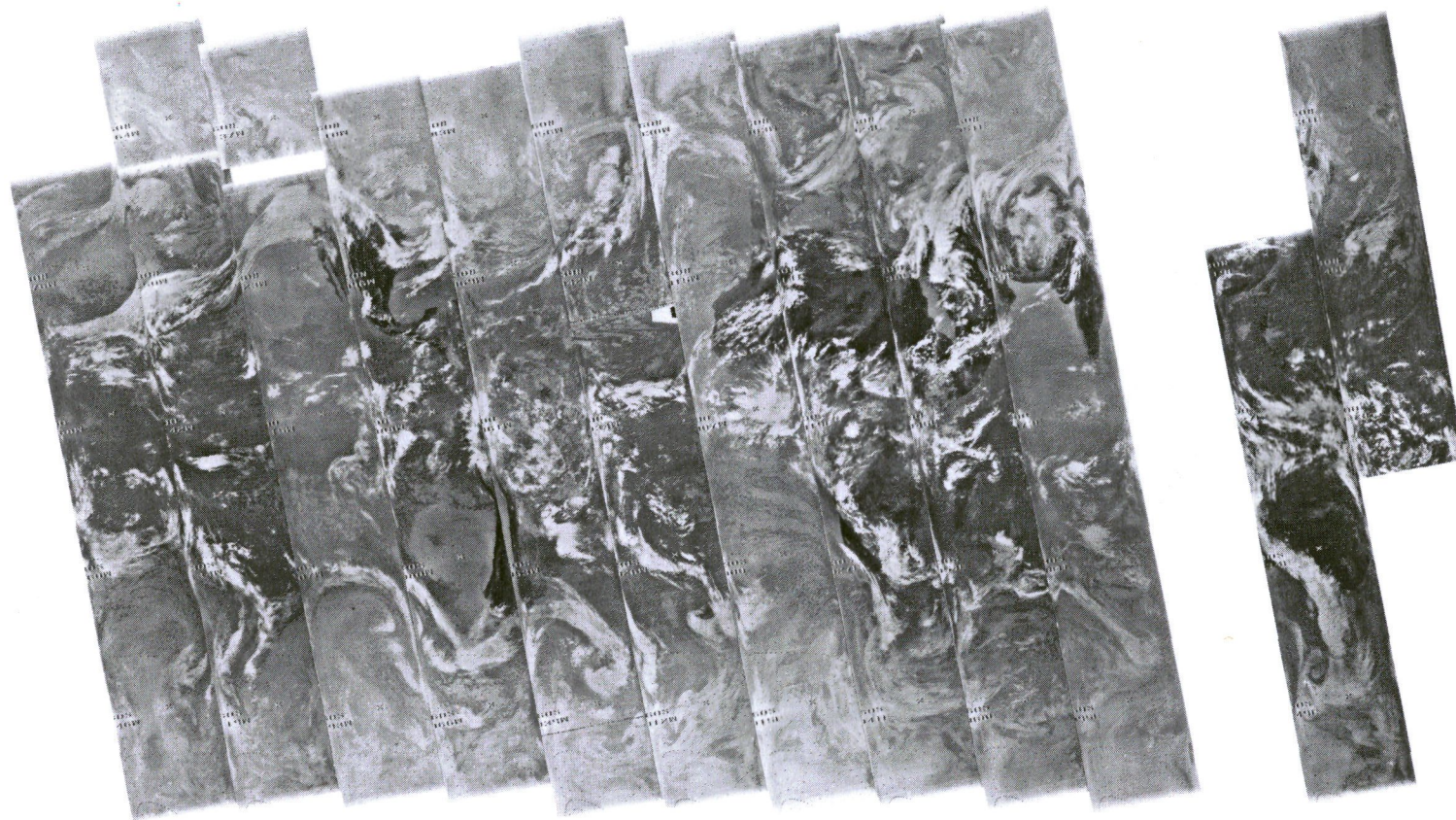


24 MARCH 1971

11.5 μ m

4-108

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

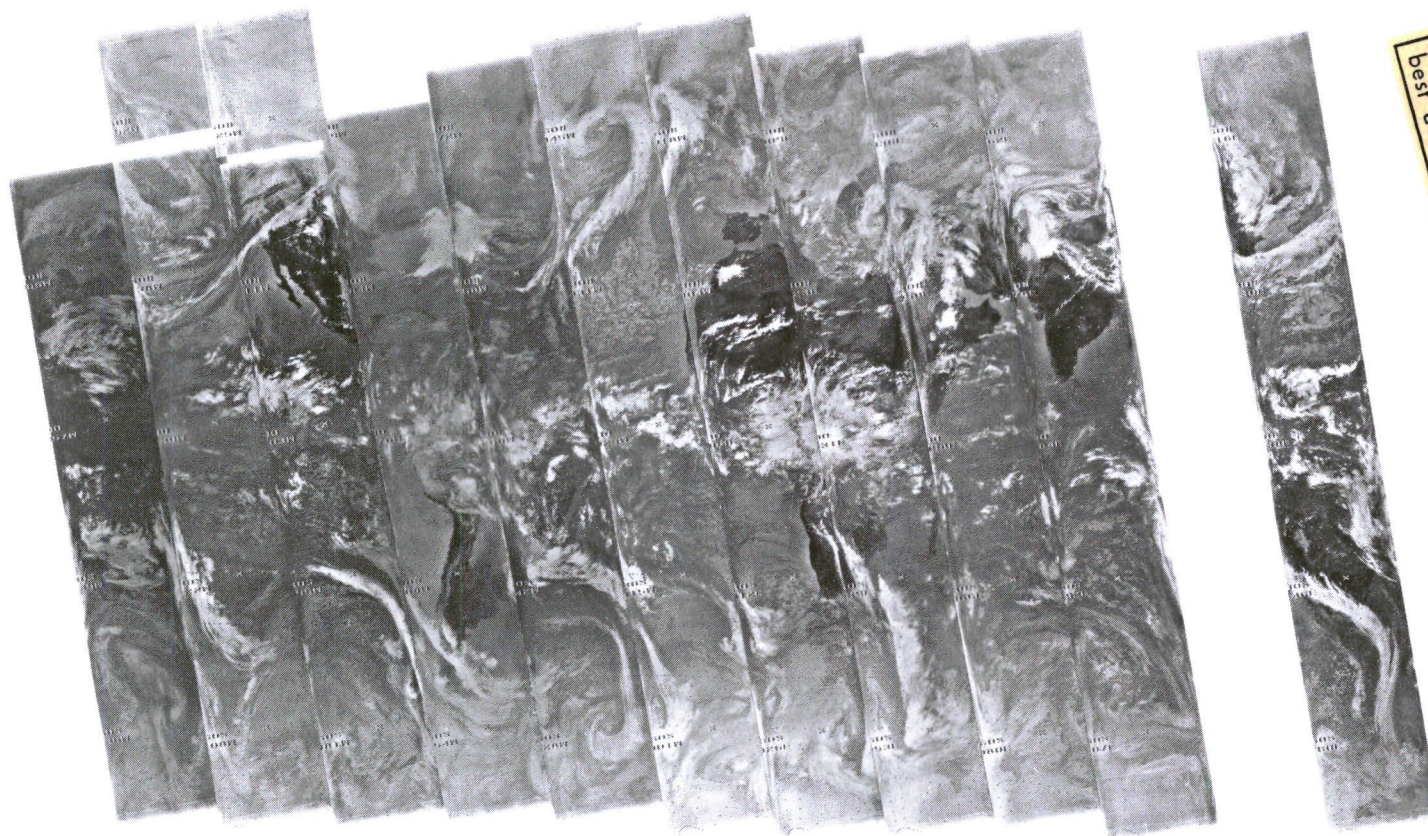
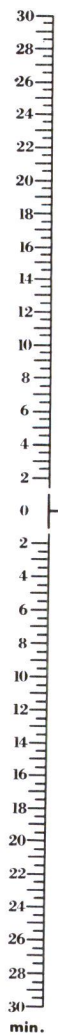


4722 4721 4720 4719 4718 4717 4716 4715 4714 4713 4712 4711 4710

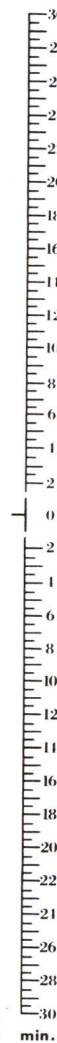
25 MARCH 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



Reproduced from
best available copy.

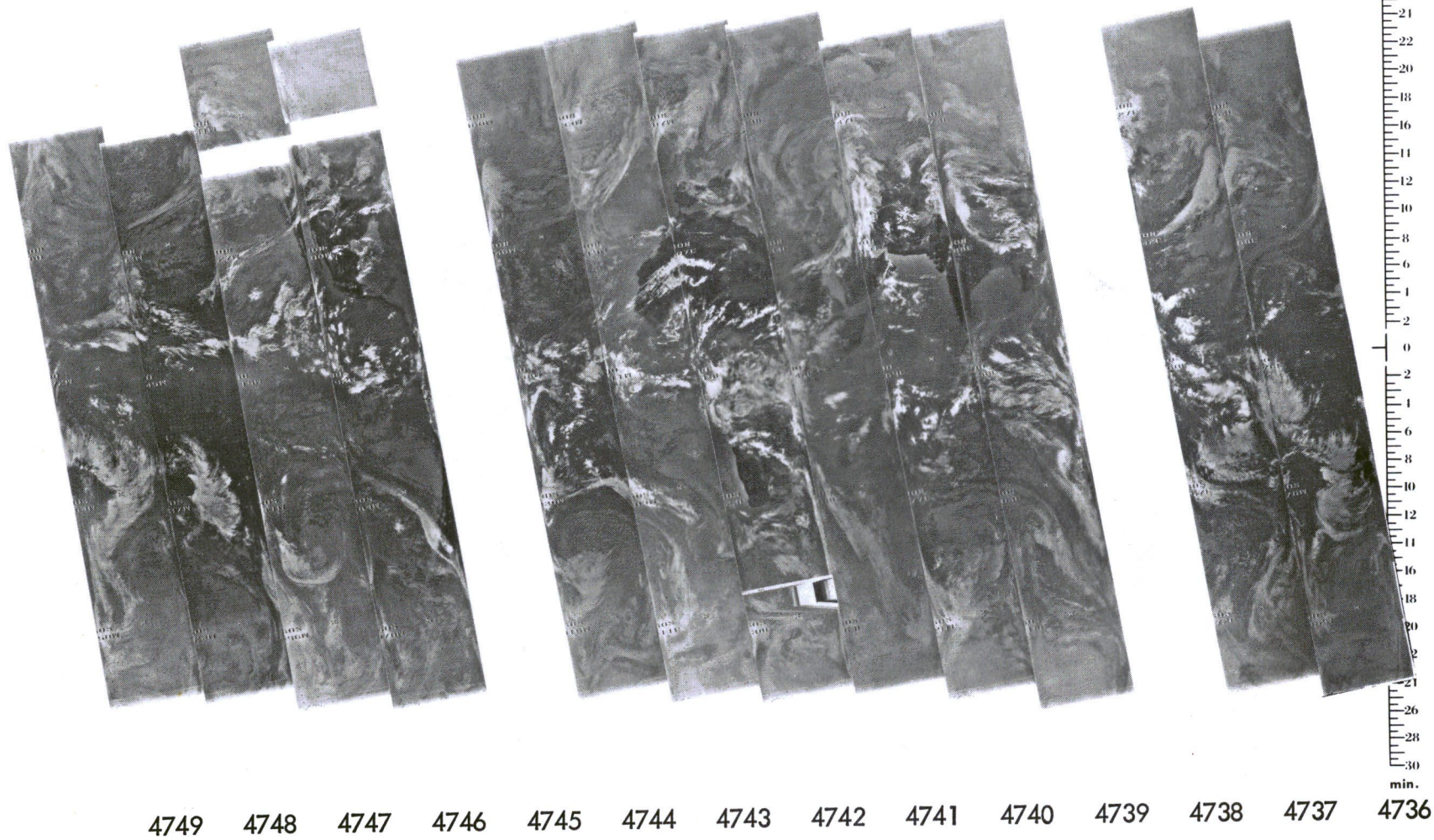
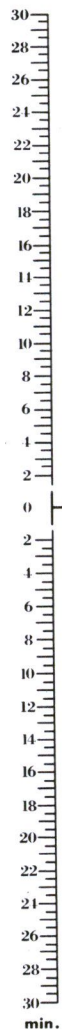


4735 4734 4733 4732 4731 4730 4729 4728 4727 4726 4725 4724 4723

26 MARCH 1971

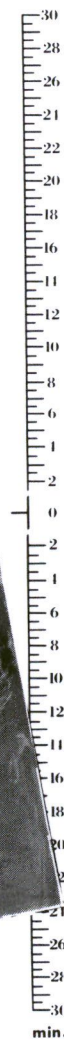
11.5 μ m

4-110

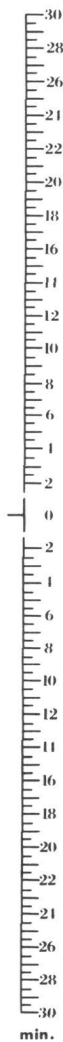
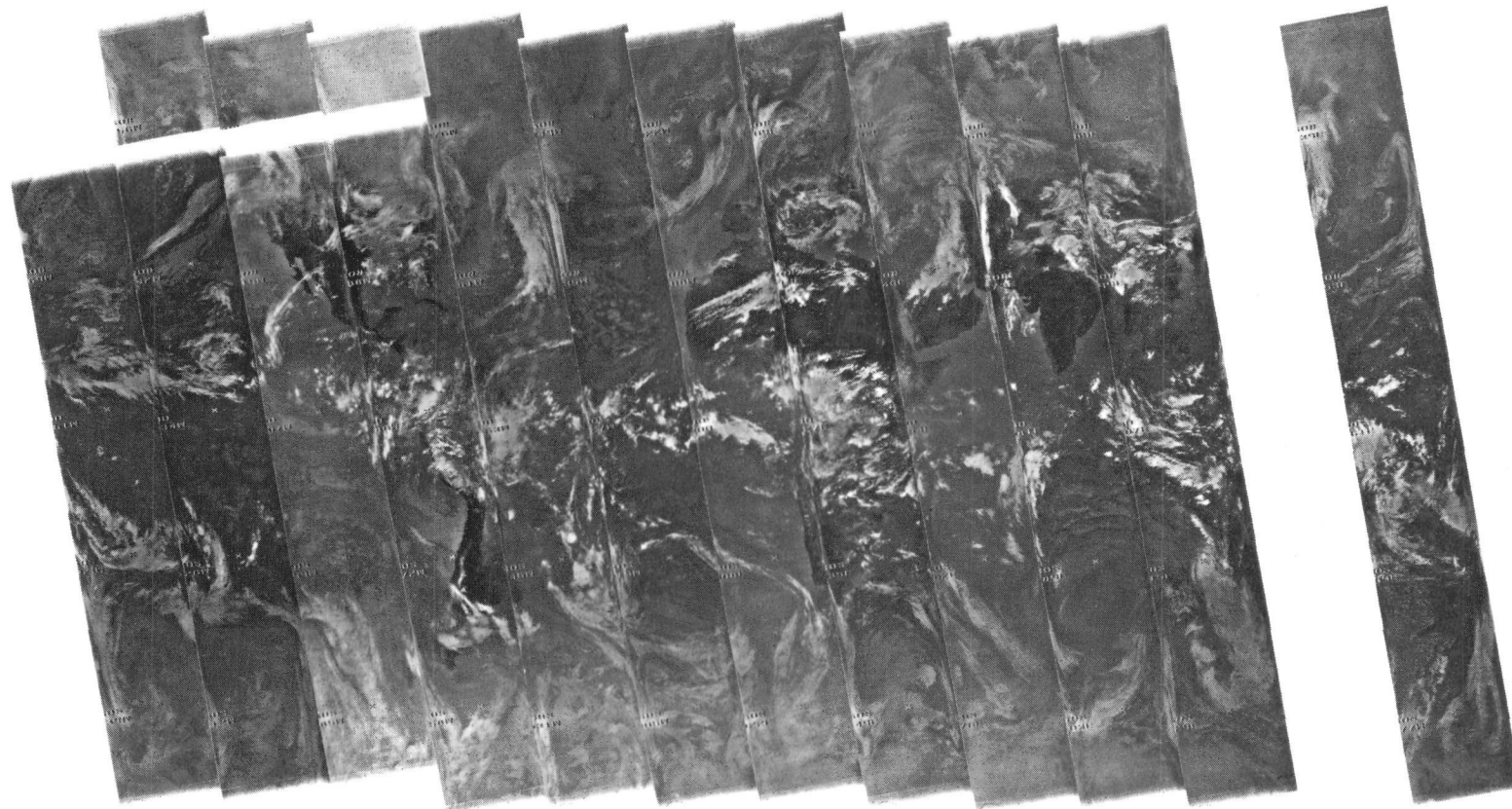
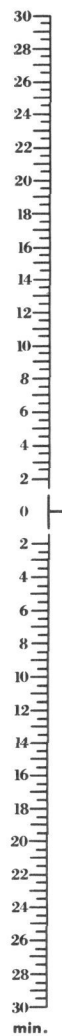


27 MARCH 1971

11.5 μ m



4-111

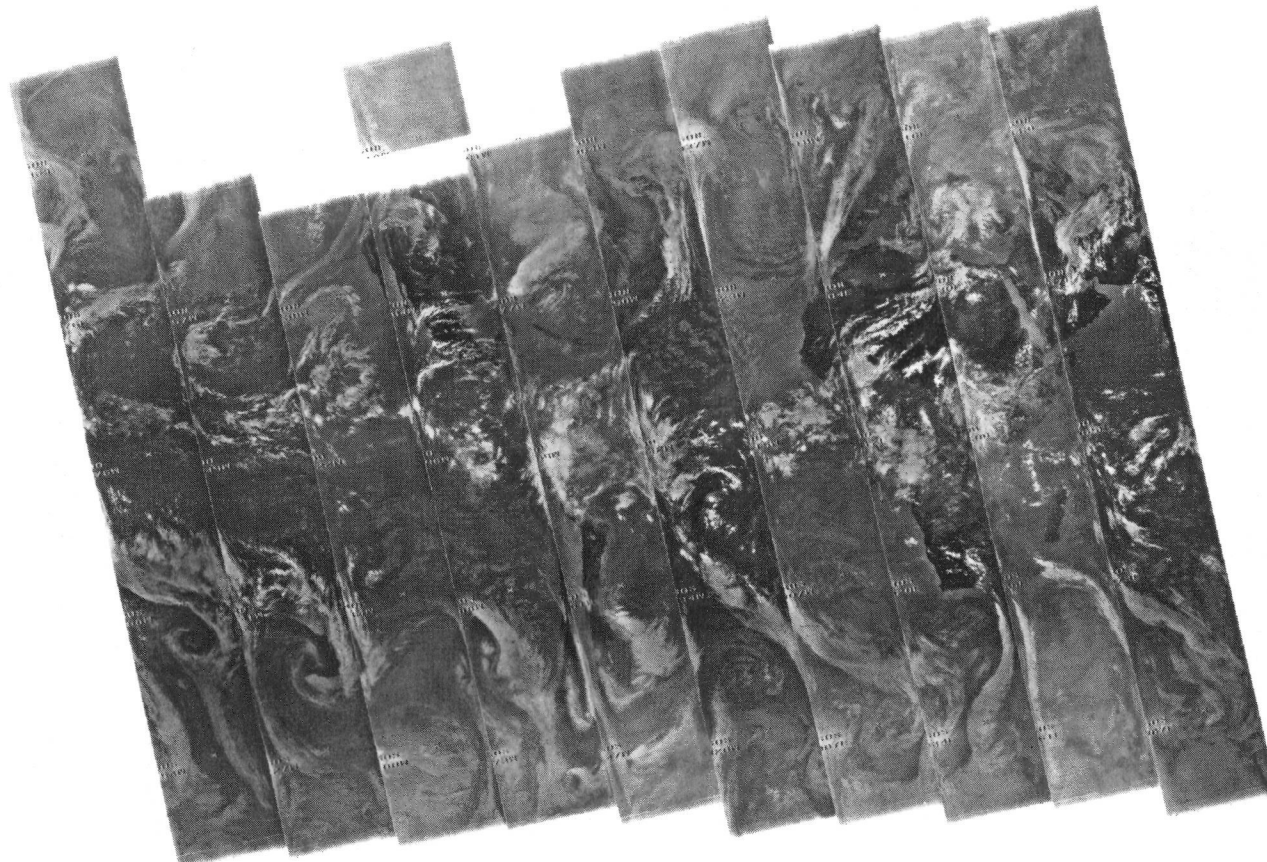
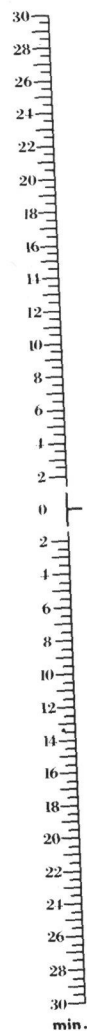


4762 4761 4760 4759 4758 4757 4756 4755 4754 4753 4752 4751 4750

28 MARCH 1971

11.5 μ m

4-112



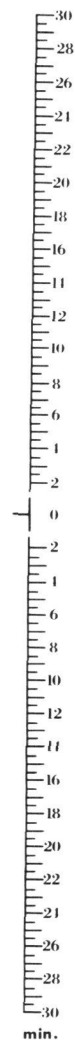
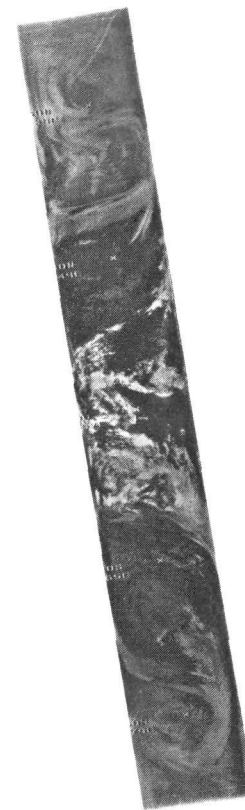
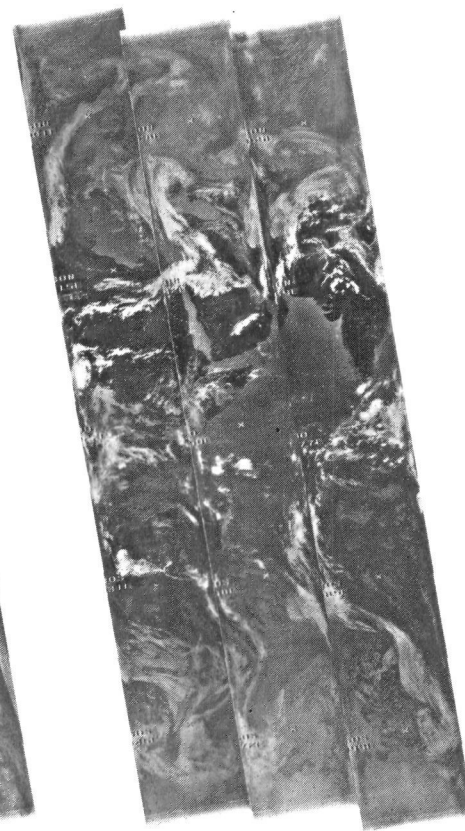
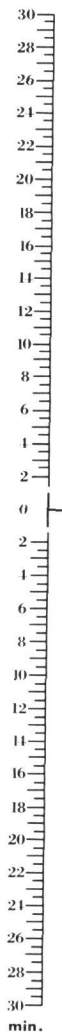
4776 4775 4774 4773 4772 4771 4770 4769 4768 4767 4766 4765 4764 4763

29 MARCH 1971

11.5 μ m



4-113



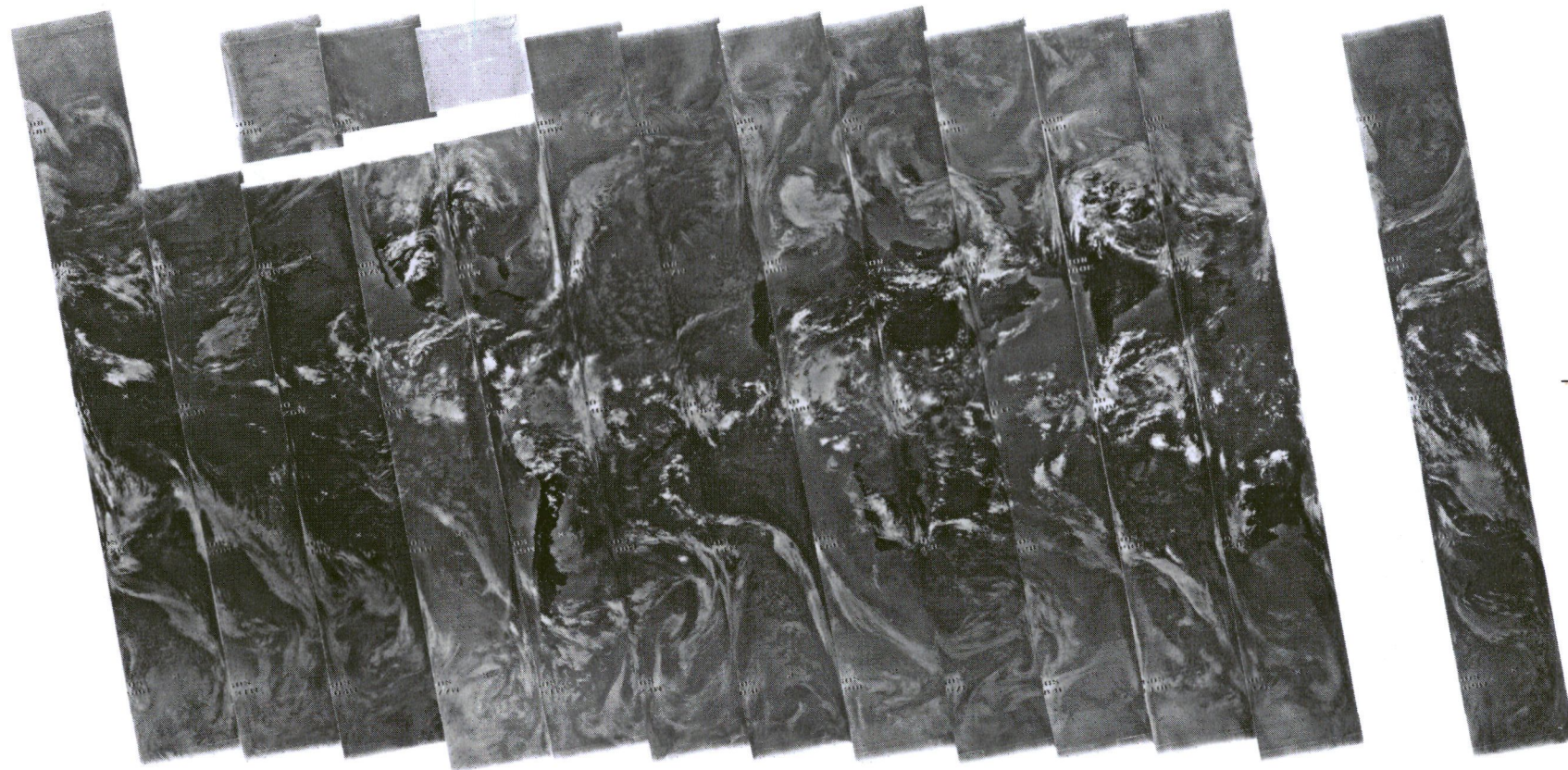
4789 4788 4787 4786 4785 4784 4783 4782 4781 4780 4779 4778 4777

30 MARCH 1971

11.5 μ m

4-114

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



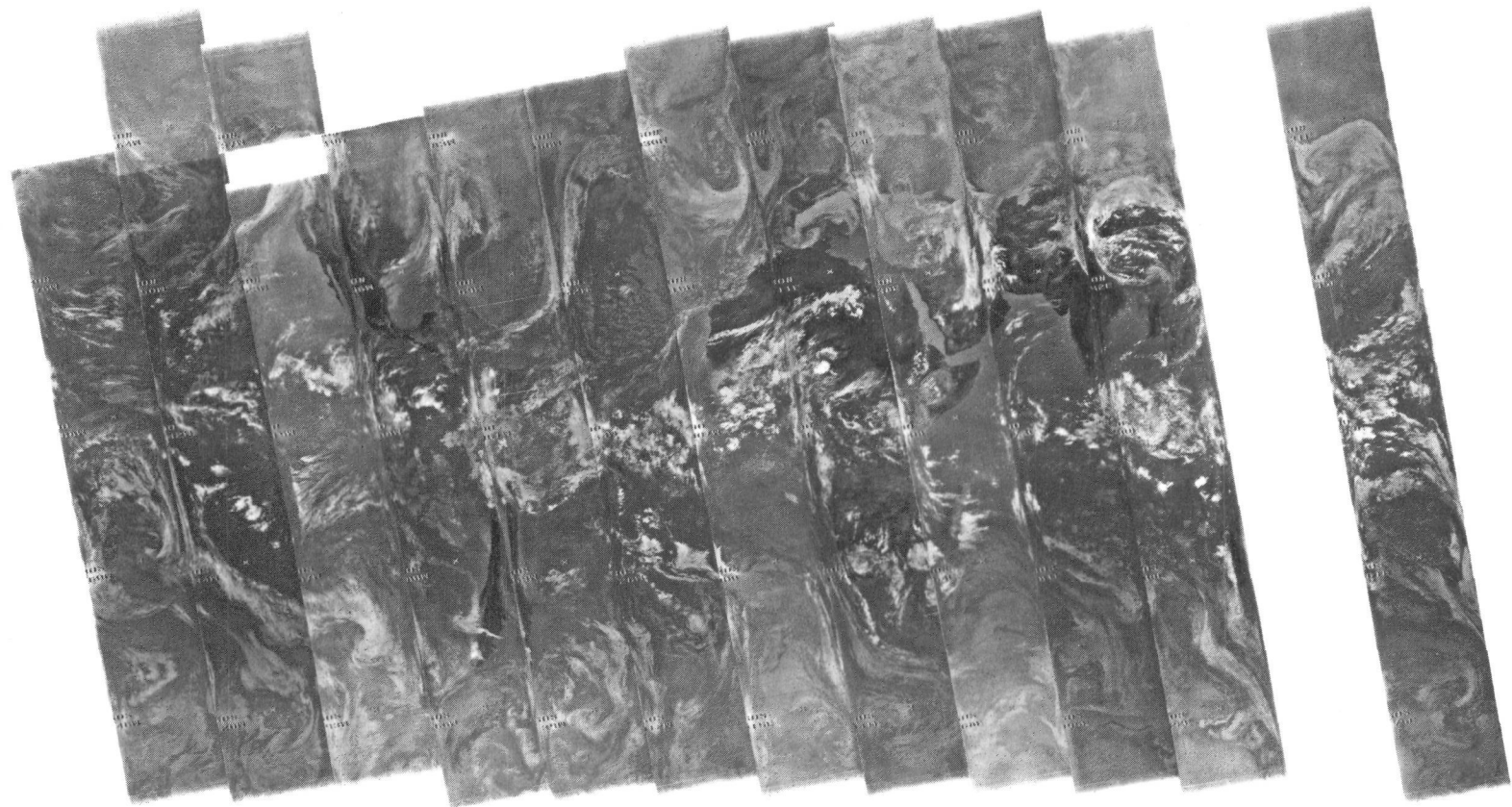
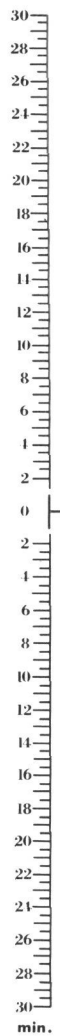
4803 4802 4801 4800 4799 4798 4797 4796 4795 4794 4793 4792 4791 4790

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

31 MARCH 1971

11.5 μ m

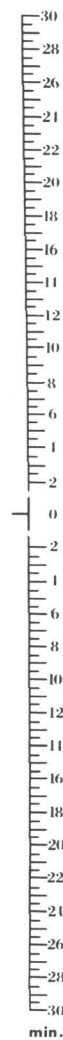
4-115



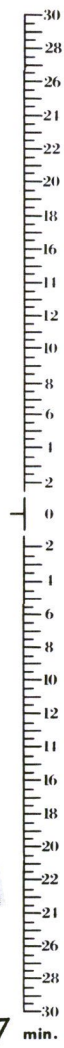
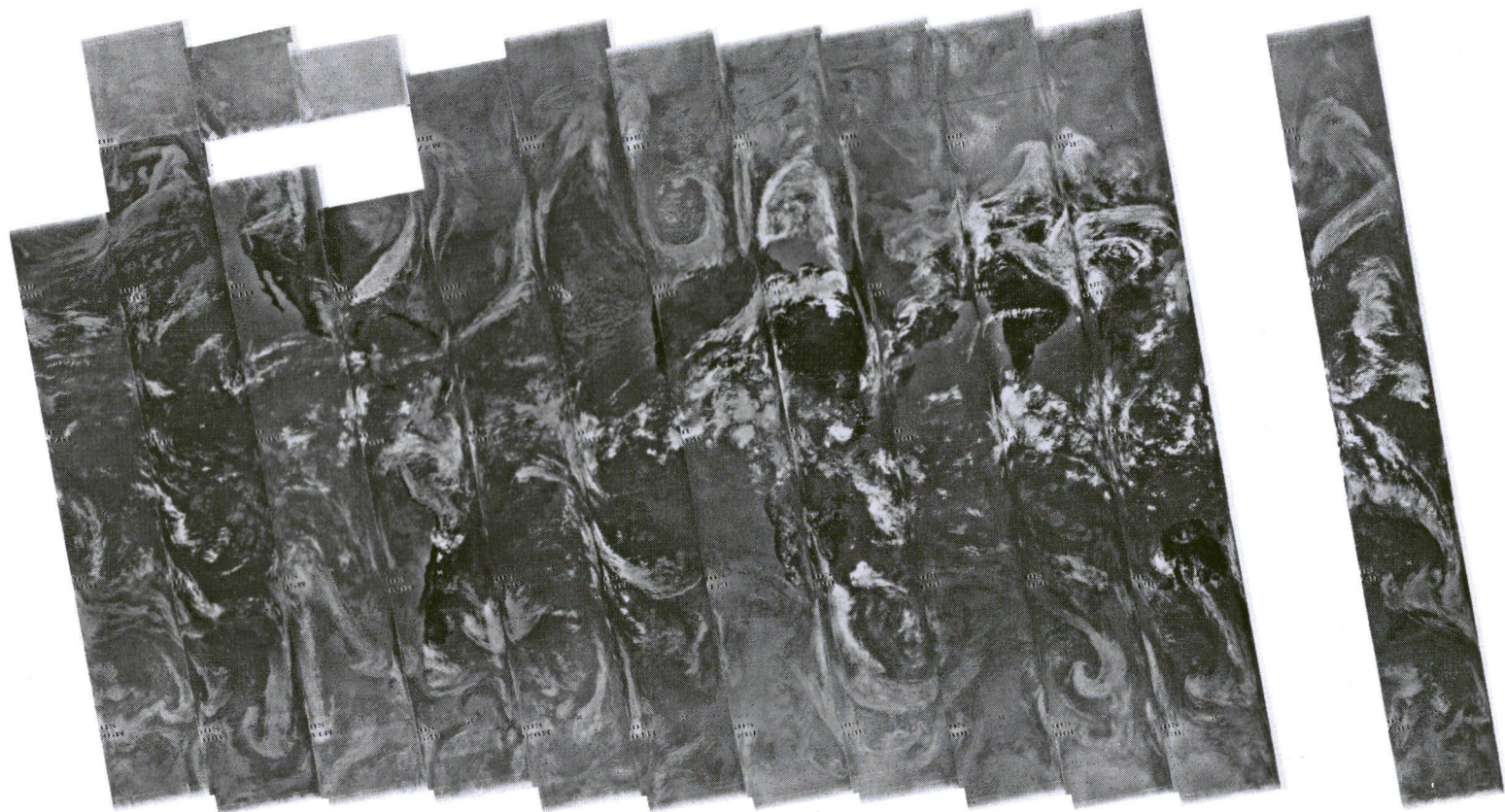
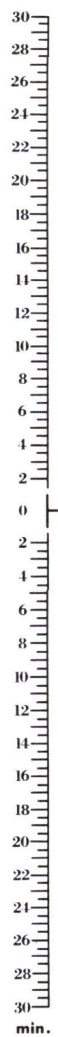
4816 4815 4814 4813 4812 4811 4810 4809 4808 4807 4806 4805 4804

1 APRIL 1971

11.5 μ m



4-116



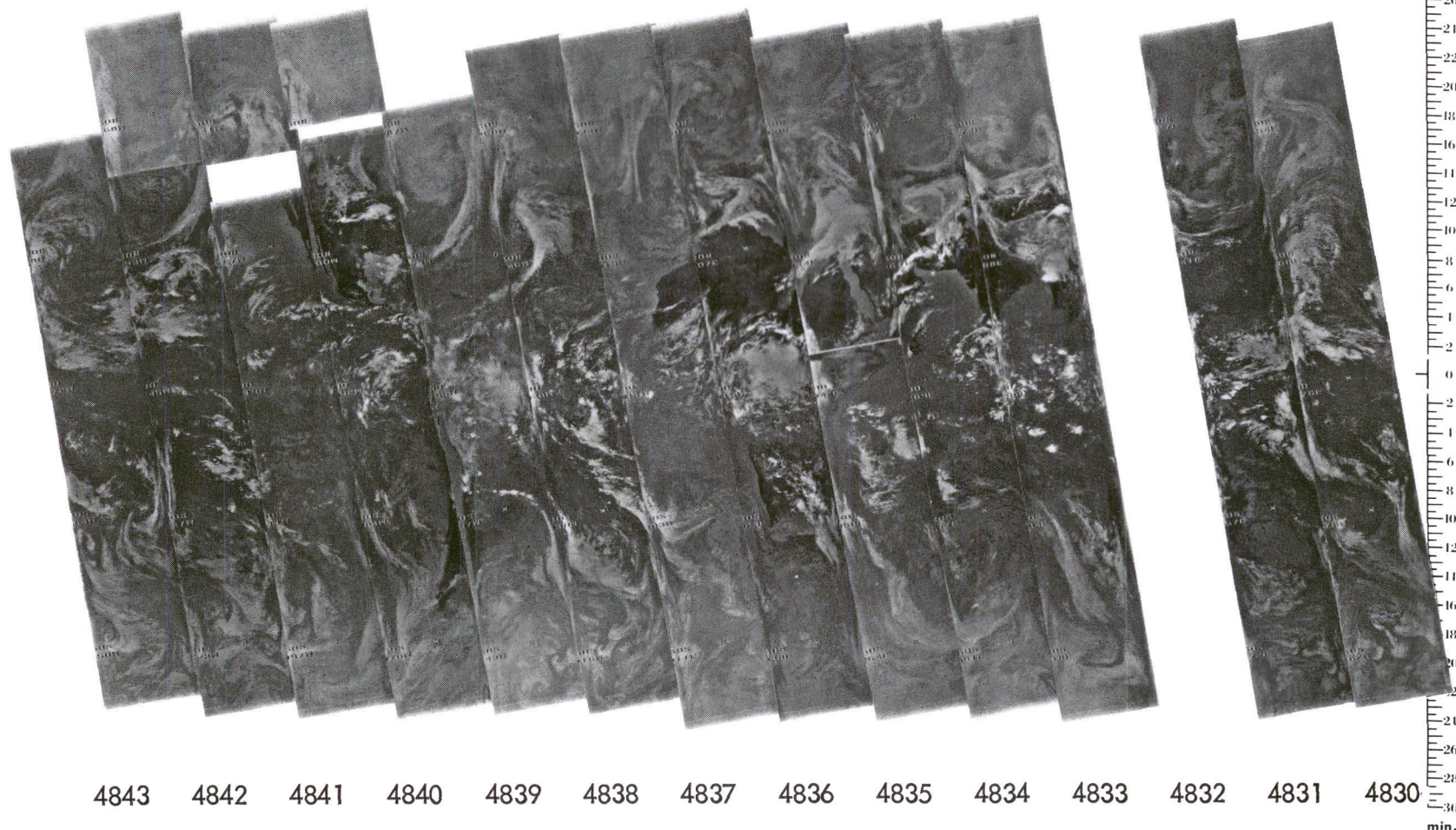
4829 4828 4827 4826 4825 4824 4823 4822 4821 4820 4819 4818 4817

2 APRIL 1971

11.5 μ m

4-117

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

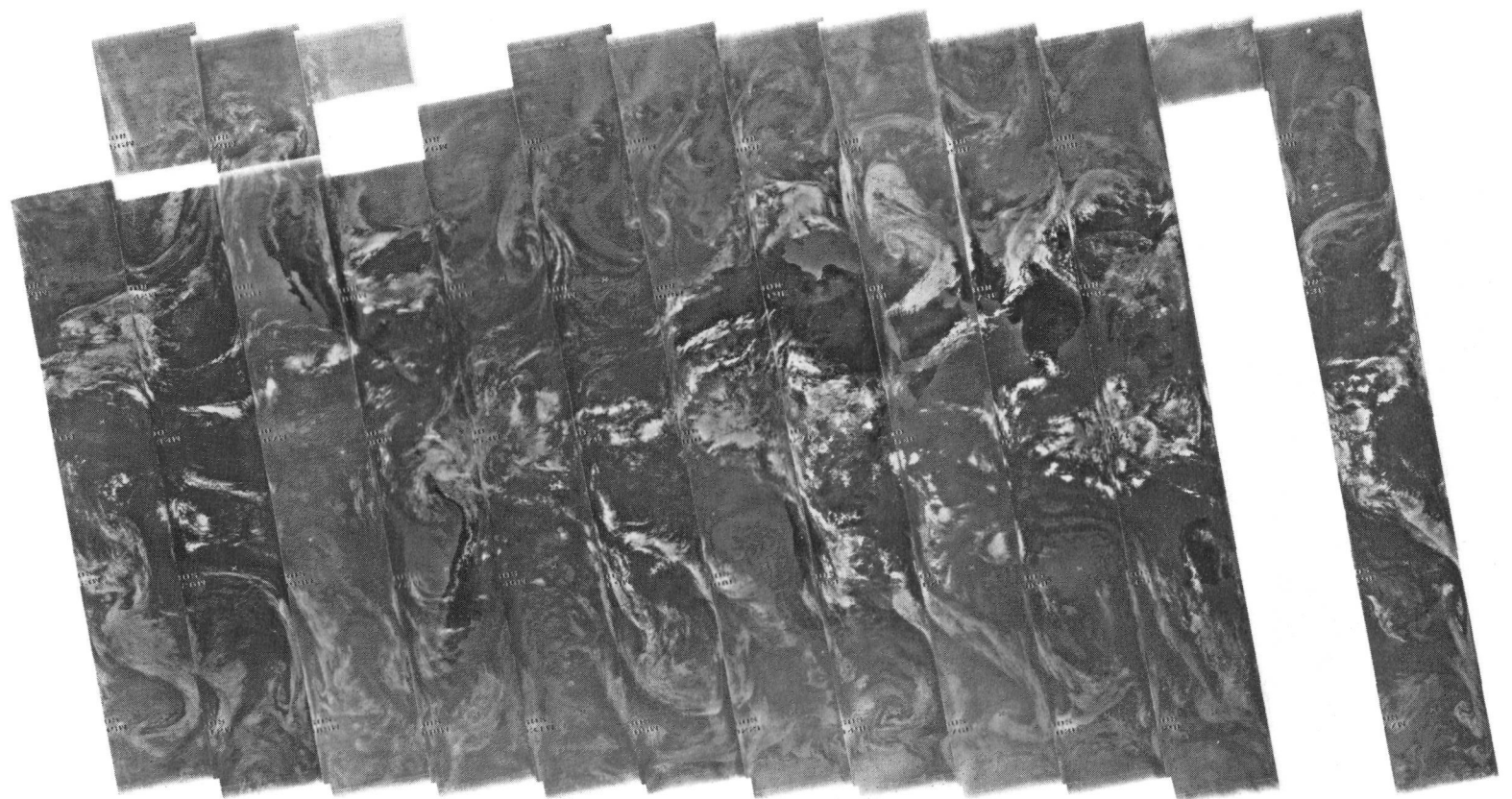
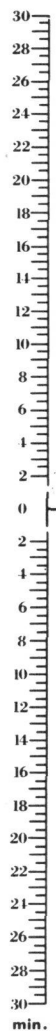


3 APRIL 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

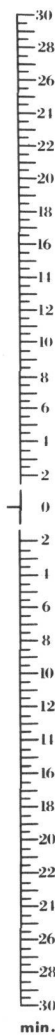
4-118



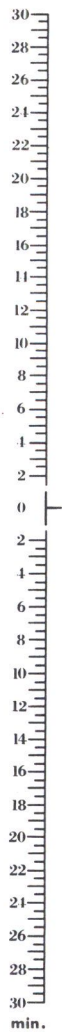
4856 4855 4854 4853 4852 4851 4850 4849 4848 4847 4846 4845 4844

4 APRIL 1971

11.5 μ m



4-119



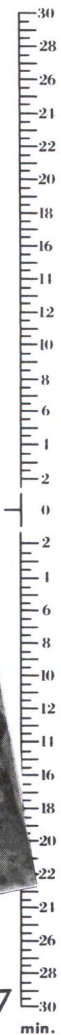
Reproduced from
best available copy.



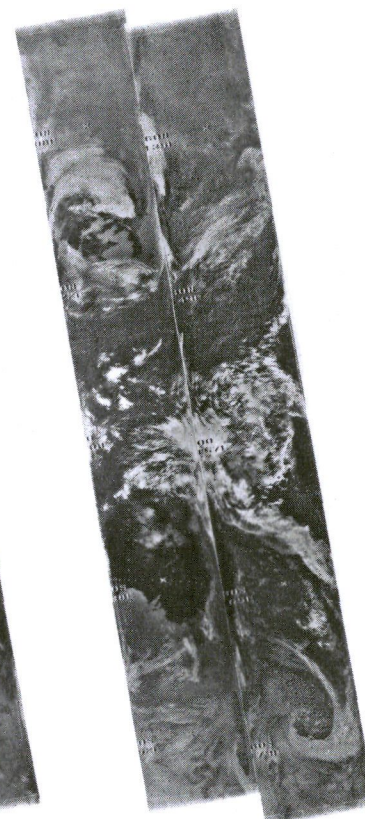
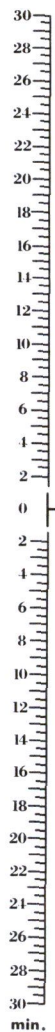
4870 4869 4868 4867 4866 4865 4864 4863 4862 4861 4860 4859 4858 4857

5 APRIL 1971

11.5 μ m



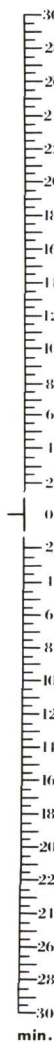
4-120



4883 4882 4881 4880 4879 4878 4877 4876 4875 4874 4873 4872 4871

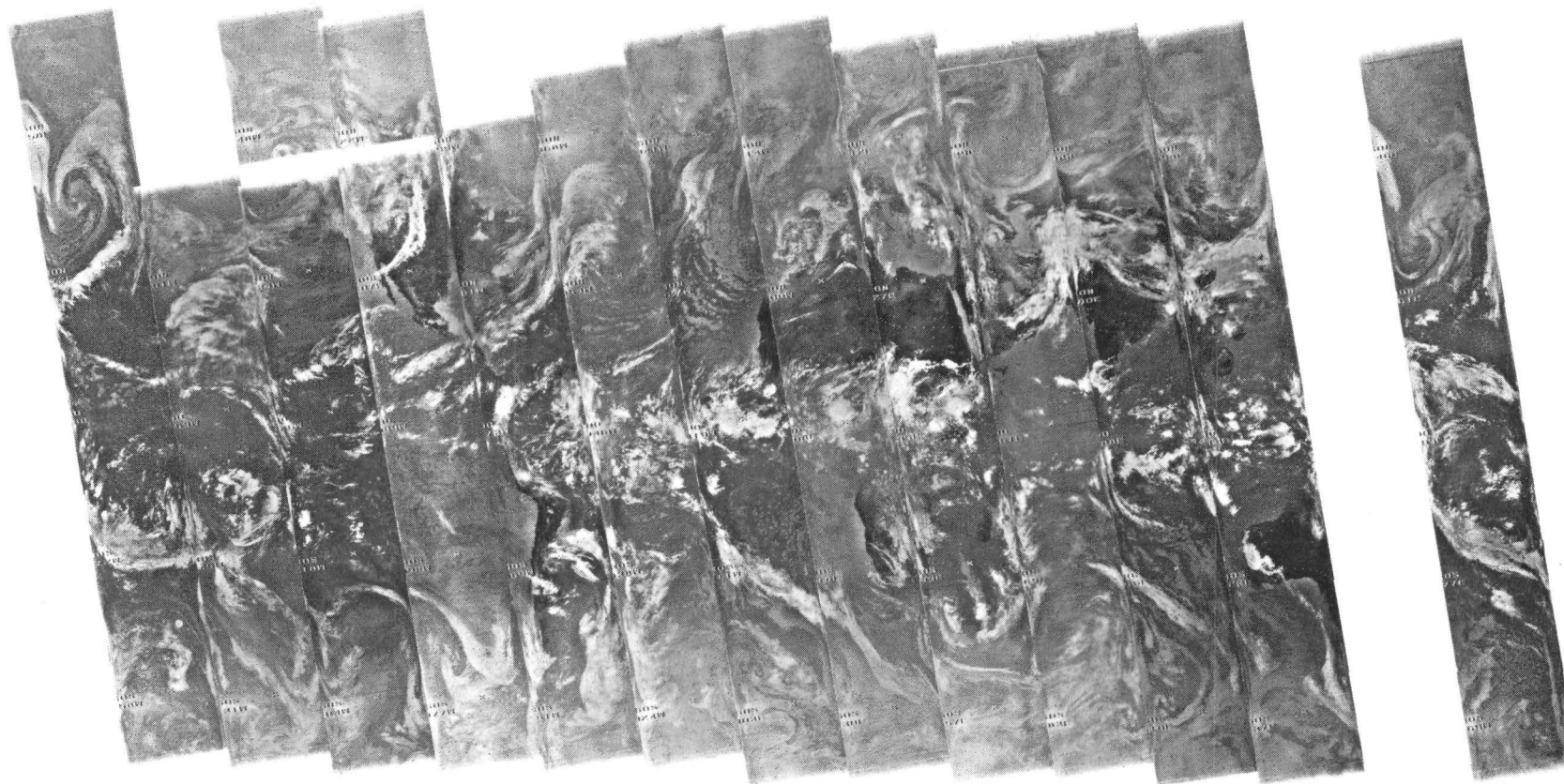
6 APRIL 1971

11.5 μ m



4-121

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.



4897 4896 4895 4894 4893 4892 4891 4890 4889 4888 4887 4886 4885 4884

7 APRIL 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4-122

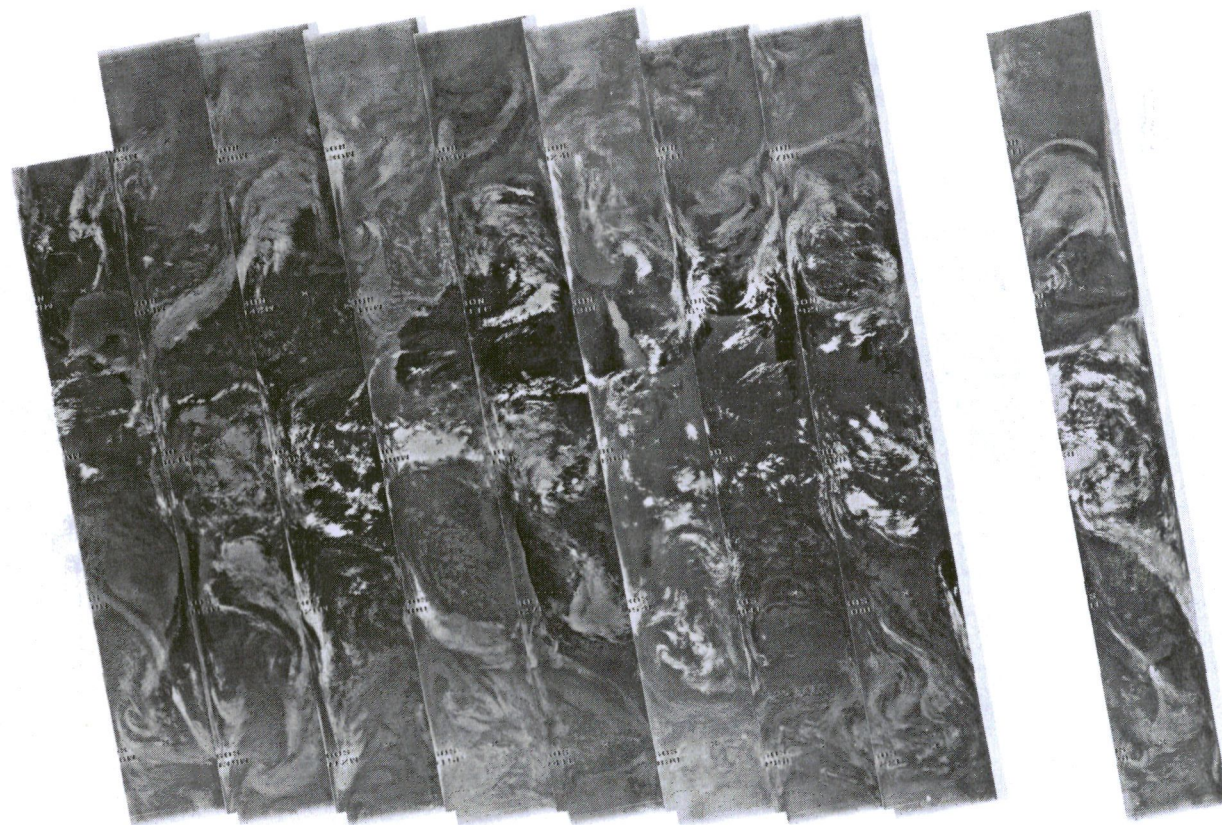
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

4910 4909 4908 4907 4906 4905 4904 4903 4902 4901 4900 4899 4898

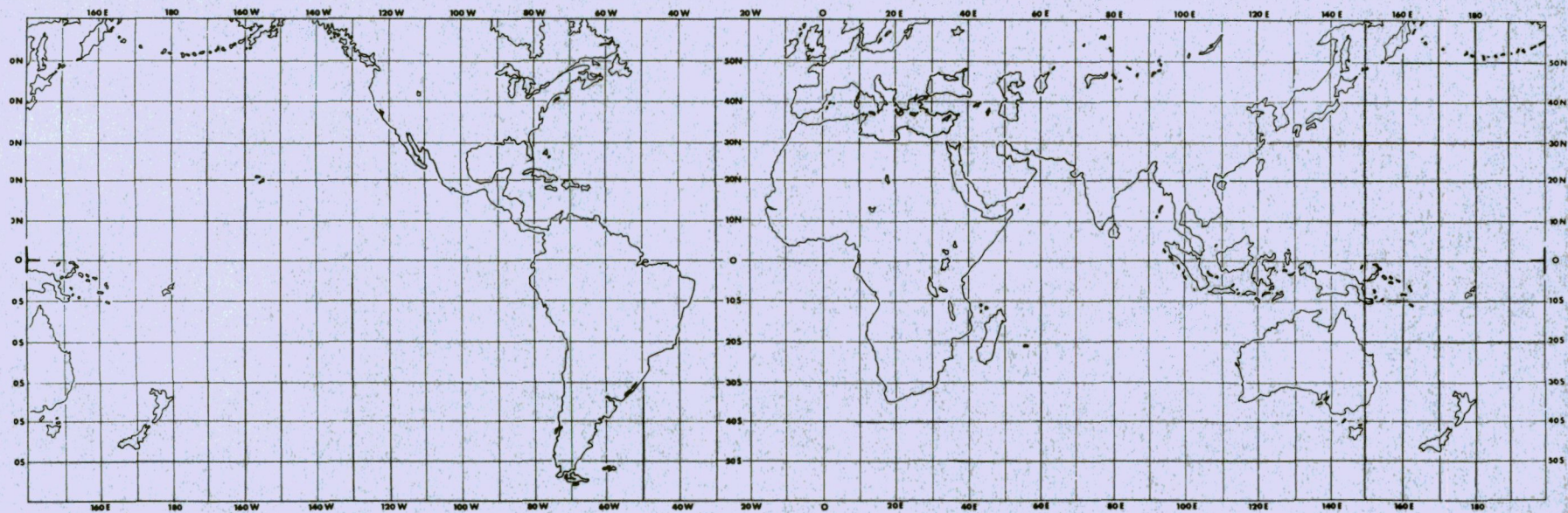
8 APRIL 1971

11.5 μ m

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
min.

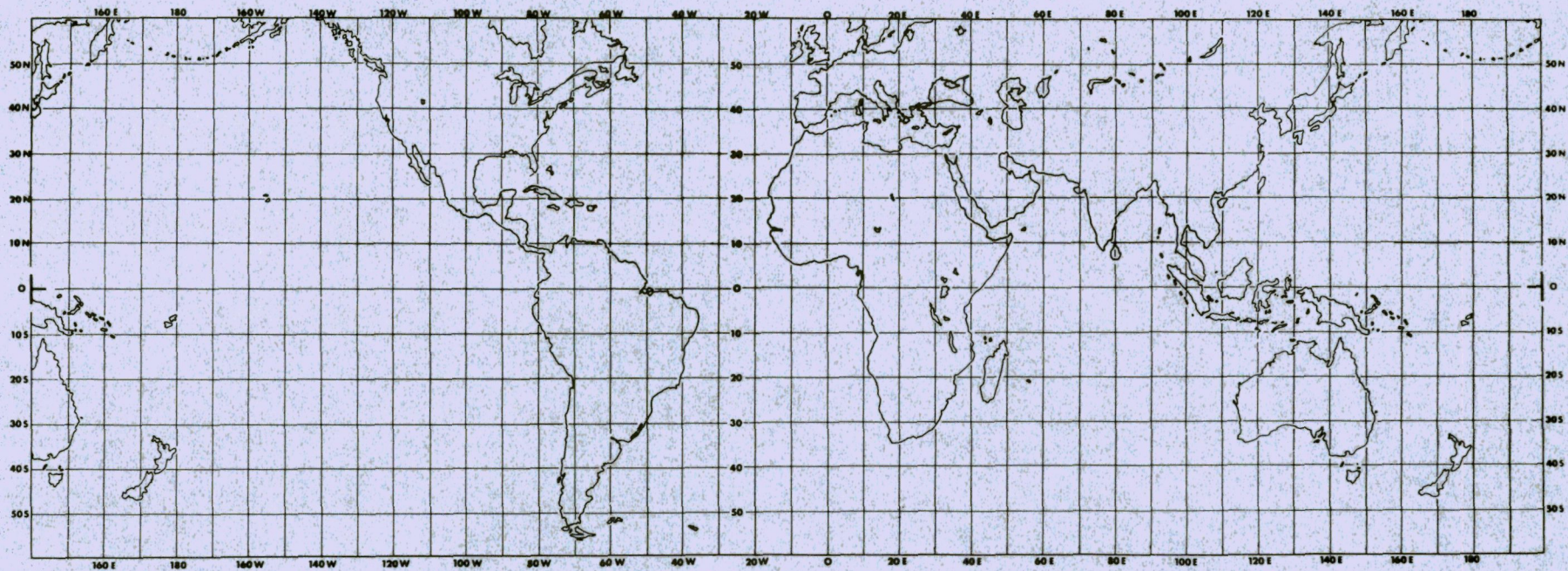


4-123

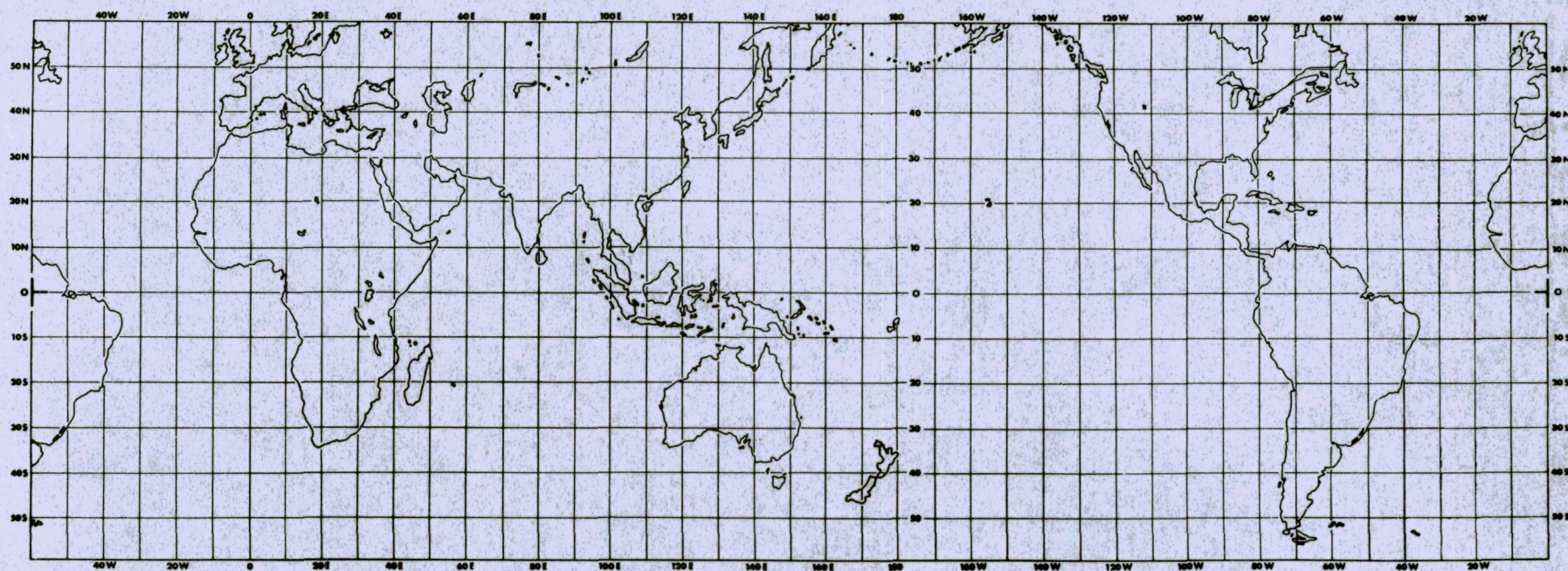


**Location Guide
Average Scale for Nimbus 4
IDCS Montages**

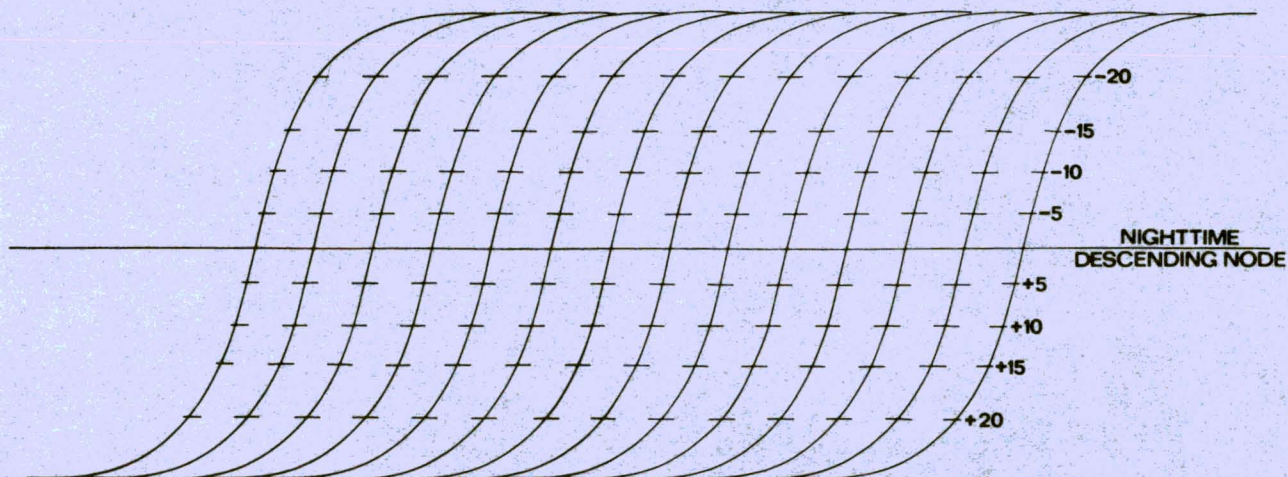
4-124



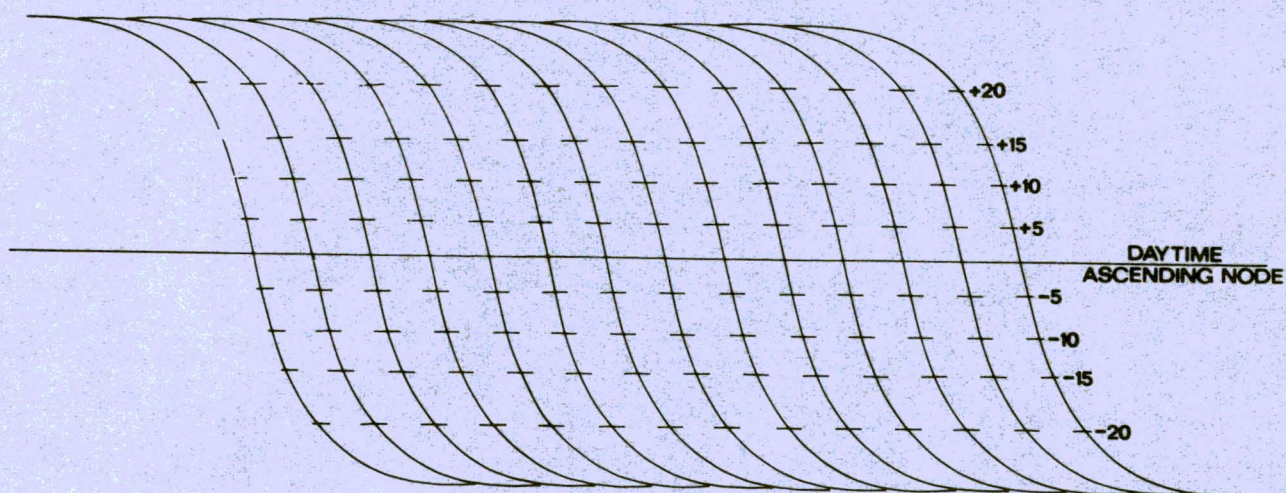
4-125



Location Guide
Average Scale for Nimbus 4
THIR Nighttime Montages



NIMBUS 4 SUBSATELLITE TRACKS OVERLAY



NIMBUS 4 SUBSATELLITE TRACKS OVERLAY